

## ARG45702 anti-GLO2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes GLO2                                                                                                                                                                                            |
| Tested Reactivity   | Hu, Ms, Rat                                                                                                                                                                                                                           |
| Tested Application  | FACS, IHC-P, WB                                                                                                                                                                                                                       |
| Host                | Rabbit                                                                                                                                                                                                                                |
| Clonality           | Polyclonal                                                                                                                                                                                                                            |
| Isotype             | IgG                                                                                                                                                                                                                                   |
| Target Name         | GLO2                                                                                                                                                                                                                                  |
| Species             | Human                                                                                                                                                                                                                                 |
| Immunogen           | Recombinant protein containing to human GLO2.                                                                                                                                                                                         |
| Conjugation         | Un-conjugated                                                                                                                                                                                                                         |
| Alternate Names     | HAGH; Hydroxyacylglutathione Hydrolase; HAGH1; GLO2; GLXII; Hydroxyacylglutathione Hydrolase, Mitochondrial; Glyoxalase II; EC 3.1.2.6 47; Hydroxyacylglutathione Hydroxylase; Hydroxyacyl Glutathione Hydrolase; Glx II; GLO2D; GLX2 |

### Application Instructions

| Application table | Application                                                                                                                                | Dilution                       |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|                   | FACS                                                                                                                                       | 1 - 3 µg/10 <sup>6</sup> cells |
|                   | IHC-P                                                                                                                                      | 2-5 µg/ml                      |
|                   | WB                                                                                                                                         | 0.25-0.5 µg/ml                 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                                |
| Observed Size     | 29 kDa                                                                                                                                     |                                |

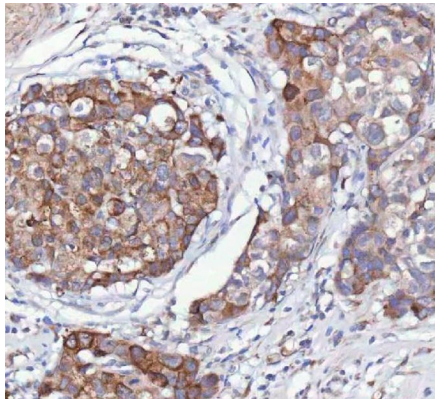
### Properties

|                     |                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                                     |
| Purification        | Affinity purified                                                                                                                                                                                                                                                                                                          |
| Buffer              | 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.                                                                                                                                                                                                                                                        |
| Stabilizer          | 4% Trehalose                                                                                                                                                                                                                                                                                                               |
| Concentration       | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

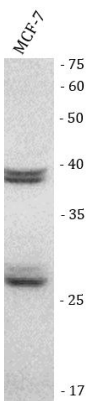
|                       |                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol           | HAGH                                                                                                                                                                                                                                                                                      |
| Gene Full Name        | Hydroxyacylglutathione Hydrolase                                                                                                                                                                                                                                                          |
| Background            | The enzyme encoded by this gene is classified as a thiolesterase and is responsible for the hydrolysis of S-lactoyl-glutathione to reduced glutathione and D-lactate. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013] |
| Function              | Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid. [UniProt]                                                                                                                                                                   |
| Calculated Mw         | 34 kDa                                                                                                                                                                                                                                                                                    |
| PTM                   | Acetylation. [UniProt]                                                                                                                                                                                                                                                                    |
| Cellular Localization | Cytoplasm; Mitochondrion. [UniProt]                                                                                                                                                                                                                                                       |

Images



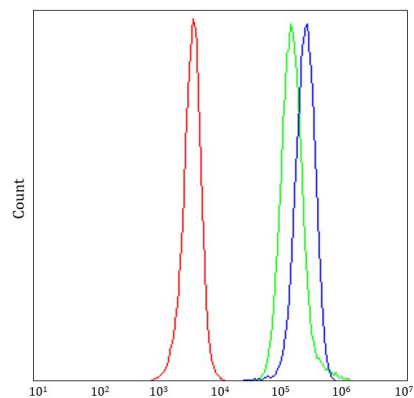
ARG45702 anti-GLO2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45702 anti-GLO2 antibody at 2 µg/ml dilution.



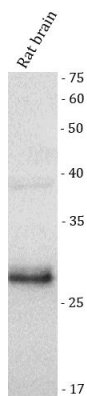
ARG45702 anti-GLO2 antibody WB image

Western blot: MCF-7 stained with ARG45702 anti-GLO2 antibody at 0.5 µg/ml dilution.



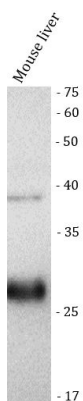
#### ARG45702 anti-GLO2 antibody FACS image

Flow Cytometry: JK stained with ARG45702 anti-GLO2 antibody at  $1 \mu\text{g}/10^6$  cells dilution.



#### ARG45702 anti-GLO2 antibody WB image

Western blot: Rat brain stained with ARG45702 anti-GLO2 antibody at  $0.5 \mu\text{g}/\text{ml}$  dilution.



#### ARG45702 anti-GLO2 antibody WB image

Western blot: Mouse liver stained with ARG45702 anti-GLO2 antibody at  $0.5 \mu\text{g}/\text{ml}$  dilution.