

## ARG45937 anti-PDZD8 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes PDZD8                                                                  |
| Tested Reactivity   | Hu, Ms, Rat                                                                                                  |
| Tested Application  | FACS, IHC-P, WB                                                                                              |
| Host                | Rabbit                                                                                                       |
| Clonality           | Polyclonal                                                                                                   |
| Isotype             | IgG                                                                                                          |
| Target Name         | PDZD8                                                                                                        |
| Species             | Human                                                                                                        |
| Immunogen           | Recombinant protein containing to human PDZD8.                                                               |
| Conjugation         | Un-conjugated                                                                                                |
| Alternate Names     | PDZ Domain Containing 8; PDZD8; PDZK8; PDZ domain-containing protein 8; Sarcoma antigen NY-SAR-84/NY-SAR-104 |

### 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     | 150 kDa                                                                                                                                    |                                |

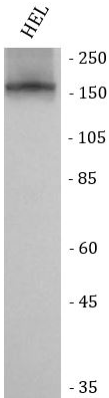
### Properties

|                     |                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                                     |
| Purification        | Affinity chromatography 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 -22°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

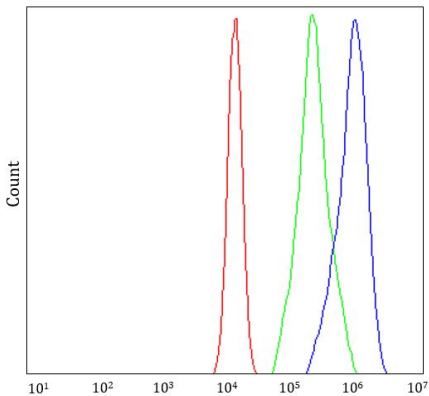
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol           | PDZD8                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Full Name        | PDZ Domain Containing 8                                                                                                                                                                                                                                                                                                                                                                                                          |
| Background            | Predicted to enable lipid binding activity and metal ion binding activity. Involved in several processes, including mitochondrial calcium ion homeostasis; mitochondrion-endoplasmic reticulum membrane tethering; and regulation of cell morphogenesis. Located in endoplasmic reticulum membrane and mitochondria-associated endoplasmic reticulum membrane contact site. [provided by Alliance of Genome Resources, Feb 2025] |
| Function              | Molecular tethering protein that connects endoplasmic reticulum and mitochondria membranes. [UniProt]                                                                                                                                                                                                                                                                                                                            |
| Calculated Mw         | 129 kDa                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PTM                   | Phosphoprotein. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cellular Localization | Endoplasmic reticulum; Membrane. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                       |

Images



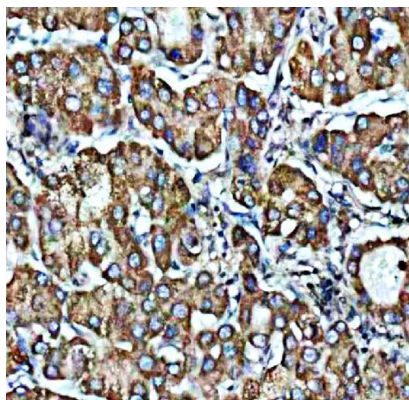
ARG45937 anti-PDZD8 antibody WB image

Western blot: HEL stained with ARG45937 anti-PDZD8 antibody at 0.5 µg/ml dilution.



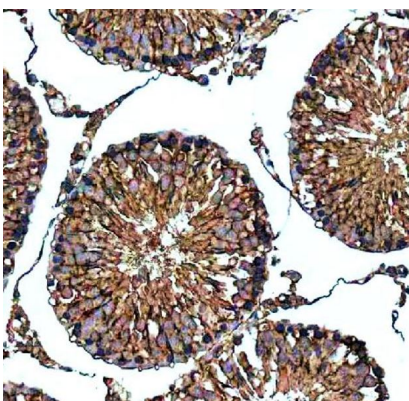
ARG45937 anti-PDZD8 antibody FACS image

Flow Cytometry: A549 stained with ARG45937 anti-PDZD8 antibody at 1 µg/10^6 cells dilution.



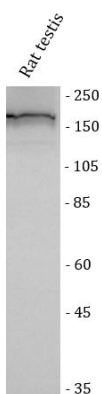
ARG45937 anti-PDZD8 antibody IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG45937 anti-PDZD8 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



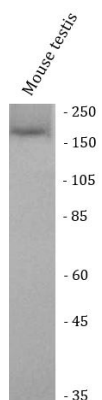
ARG45937 anti-PDZD8 antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG45937 anti-PDZD8 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



ARG45937 anti-PDZD8 antibody WB image

Western blot: Rat testis stained with ARG45937 anti-PDZD8 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



ARG45937 anti-PDZD8 antibody WB image

Western blot: Mouse testis stained with ARG45937 anti-PDZD8 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.