

## ARG67027 anti-alpha Fetoprotein antibody [SQab30312]

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Recombinant rabbit Monoclonal antibody [SQab30312] recognizes alpha Fetoprotein                        |
| Tested Reactivity   | Hu   |
| Tested Application  | IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Monoclonal   |
| Clone               | SQab30312  |
| Isotype             | IgG  |
| Target Name         | alpha Fetoprotein  |
| Species             | Human  |
| Immunogen           | Synthetic peptide of Human alpha Fetoprotein.  |
| Conjugation         | Un-conjugated  |
| Alternate Names     | AFP, Alpha Fetoprotein, Alpha-Fetoprotein, HPAFP , FETA, Alpha-1-Fetoprotein, Alpha-Fetoglobulin, AFPD |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:50 - 1:100   |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Hepatocellular carcinoma   |                |
| Observed Size     | 65-72 kDa  |                |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purification with Protein A.   |
| Buffer              | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.  |
| Preservative        | 0.01% Sodium azide   |
| Stabilizer          | 40% Glycerol and 0.05%BSA  |
| 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. |

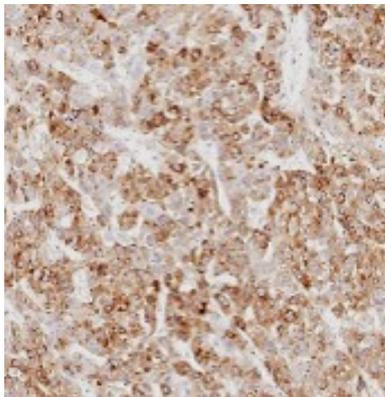
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

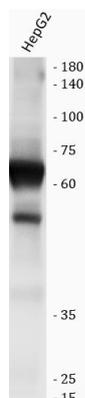
|                       |   |
|-----------------------|---|
| Gene Symbol           | AFP   |
| Gene Full Name        | Alpha Fetoprotein   |
| Background            | This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatocarcinoma and with teratoma, and has prognostic value for managing advanced gastric cancer. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq, Oct 2019] |
| Function              | Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties. [Uniprot]   |
| Calculated Mw         | 69 kDa  |
| PTM                   | Independent studies suggest heterogeneity of the N-terminal sequence of the mature protein and of the cleavage site of the signal sequence. [Uniprot]   |
| Cellular Localization | Secreted  |

## Images



ARG67027 anti-alpha Fetoprotein antibody [SQab30312] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded hepatocellular carcinoma stained with ARG67027 anti-alpha Fetoprotein antibody [SQab30312].



ARG67027 anti-alpha Fetoprotein antibody [SQab30312] WB image (Customer review)

Western blot: HepG2 stained with ARG67027 anti-alpha Fetoprotein antibody [SQab30312] at 1:500 dilution.