

## ARG42136 anti-FUT2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes FUT2  |
| Tested Reactivity   | Hu  |
| Tested Application  | IHC-P, WB   |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | FUT2  |
| Species             | Human   |
| Immunogen           | Synthetic peptide around the internal region of Human FUT2. (C-HVQQRLAKIQAMWE) (NP_000502.4)  |
| Conjugation         | Un-conjugated   |
| Alternate Names     | Se2; B12QTL1; EC 2.4.1.69; 1,2; Fucosyltransferase 2; SEC2; Se; Galactoside 2-alpha-L-fucosyltransferase 2; Alpha; GDP-L-fucose:beta-D-galactoside 2-alpha-L-fucosyltransferase 2; Secretor factor; Secretor blood group alpha-2-fucosyltransferase; sej; SE; SE2 |

### Application Instructions

| Application table | Application  | Dilution    |
|-------------------|--|-------------|
|                   | IHC-P  | 5 µg/ml     |
|                   | WB   | 1 - 3 µg/ml |
| Application Note  | WB: Recommend incubate at RT for 1h.<br>IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |
| Positive Control  | Human liver  |             |
| Observed Size     | ~ 37 kDa   |             |

### Properties

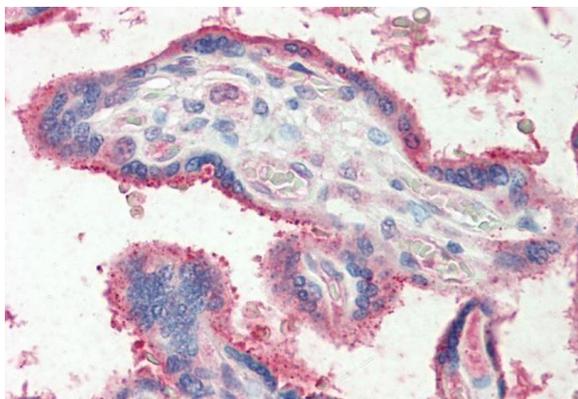
|               |  |
|---------------|--|
| Form          | Liquid   |
| Purification  | Affinity purified                                      |
| Buffer        | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative  | 0.02% Sodium azide                                     |
| Stabilizer    | 0.5% BSA   |
| Concentration | 0.5 mg/ml  |

|                            |  |
|----------------------------|--|
| <b>Storage instruction</b> | 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. |
| <b>Note</b>                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

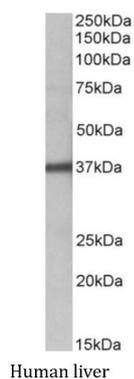
|                              |  |
|------------------------------|--|
| <b>Gene Symbol</b>           | FUT2   |
| <b>Gene Full Name</b>        | fucosyltransferase 2 (secretor status included)  |
| <b>Background</b>            | The protein encoded by this gene is a Golgi stack membrane protein that is involved in the creation of a precursor of the H antigen, which is required for the final step in the soluble A and B antigen synthesis pathway. This gene is one of two encoding the galactoside 2-L-fucosyltransferase enzyme. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]  |
| <b>Function</b>              | Mediates the transfer of fucose to the terminal galactose on glycan chains of cell surface glycoproteins and glycolipids (PubMed:7876235). The resulting epitope plays a role in cell-cell interaction including host-microbe interaction (PubMed:12692541, PubMed:8018146). Mediates interaction with intestinal microbiota influencing its composition (PubMed:21625510, PubMed:24733310, PubMed:22068912). Creates a soluble precursor oligosaccharide FuC-alpha ((1,2)Galbeta-) called the H antigen which is an essential substrate for the final step in the soluble ABO blood group antigen synthesis pathway (PubMed:7876235). [UniProt] |
| <b>Calculated Mw</b>         | 39 kDa   |
| <b>Cellular Localization</b> | Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Note=Membrane-bound form in trans cisternae of Golgi. [UniProt]   |

## Images



ARG42136 anti-FUT2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42136 anti-FUT2 antibody at 5 µg/ml dilution followed by AP-staining.



ARG42136 anti-FUT2 antibody WB image

Western blot: 35 µg of Human liver lysate (in RIPA buffer) stained with ARG42136 anti-FUT2 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.