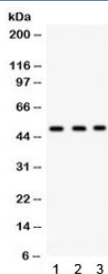


FUT1 Antibody / Galactoside 2-alpha-L-fucosyltransferase 1 (R31996)

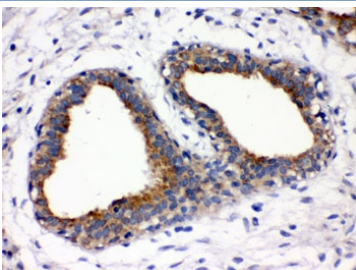
Catalog No.	Formulation	Size
R31996	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

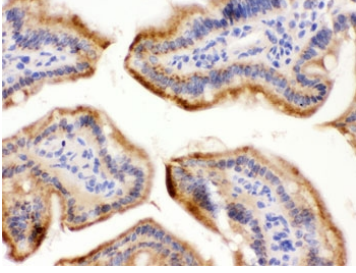
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P19526
Localization	Cytoplasmic, membrane
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This FUT1 antibody is available for research use only.



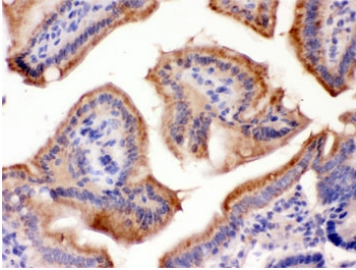
Western blot testing of 1) rat brain, 2) human SW620 and 3) A549 lysate with FUT1 antibody. Predicted/observed molecular weight ~50 kDa.



IHC testing of FFPE human breast cancer tissue with FUT1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE mouse intestine with FUT1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat intestine with FUT1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Galactoside 2-alpha-L-fucosyltransferase 1 is an enzyme that in humans is encoded by the FUT1 gene. It is mapped to 19q13.3. 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. Mutations in this gene are a cause of the H-Bombay blood group.

Application Notes

Optimal dilution of the FUT1 antibody should be determined by the researcher.

Immunogen

Amino acids EVDSRTPWRELQLHDWMSEEYADLRDPFLKL of human FUT1 were used as the immunogen for the FUT1 antibody.

Storage

After reconstitution, the FUT1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.