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FUT8 Rabbit pAb

Catalog # AP99081

Product Information

Application	WB, IHC-P
Primary Accession	Q9BYC5
Other Accession	Q9BYC5
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66516
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FUT8
Epitope Specificity	311-410/575
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyltransferase 23 family.Contains 1 SH3 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans.The expression of this gene may contribute to the malignancy of cancer cells and to their invasive and metastatic capabilities. There are 2 isoforms produced by alternative splicing. Immunogen is not present in isoform 2 (also known as Retinal).

Additional Information

Gene ID	2530
Other Names	FUT8_HUMAN; FUT8; Alpha1-6FucT; Fucosyltransferase 8; GDP-L-Fuc:N-acetyl-beta-D-glucosaminide alpha1, 6-fucosyltransferase; GDP-fucose--glycoprotein fucosyltransferase; Glycoprotein 6-alpha-L-fucosyltransferase; 2.4.1.68; CDGF; CDGF1; fucosyltransferase 8 (alpha (1, 6) fucosyltransferase); alpha (1, 6) fucosyltransferase
Dilution	WB=1:500-2000,IHC-P=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FUT8
Function	Catalyzes the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans (PubMed:17172260, PubMed:29304374, PubMed:36280670, PubMed:9133635). Fucosylates the reducing GlcNAc residue in complex-type N-glycans attached on the fragment crystallizable (Fc) of IgGs. Fully converts Fc glycoforms containing one or two terminal GlcNAc moieties (G0-GlcNAc and G0) (PubMed:36280670).
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein Note=Membrane-bound form in trans cisternae of Golgi.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.