

For Research Use Only

FUT8 Monoclonal antibody

Catalog Number: 66118-1-Ig

Featured Product

12 Publications



Basic Information

Catalog Number: 66118-1-Ig	GenBank Accession Number: BC025385	Purification Method: Protein A purification
Size: 150ul , Concentration: 2300 µg/ml by Nanodrop and 1073 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2530	CloneNo.: 2F7H2
Source: Mouse	Full Name: fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG2a	Calculated MW: 66 kDa	
Immunogen Catalog Number: AG18769	Observed MW: 66 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MDA-MB-231 cells, MDA-MB-453s cells, MCF-7 cells, Caco-2 cells

IHC : human lung cancer tissue, human breast cancer tissue

Background Information

Fucosyltransferase 8 (FUT8) is GDP-fucose-glycoprotein fucosyltransferase and is localized in Golgi apparatus. FUT8 is involved in protein glycosylation by catalyzing the addition of fucose in alpha 1-6 linkage to the first GlcNAc residue, next to the peptide chains in N-glycans. FUT8 may be involved in human aging by regulating protein N-glycosylation and in the molecular pathogenesis of human pulmonary emphysema (PE).

Notable Publications

Author	Pubmed ID	Journal	Application
Toni M Mueller	27773385	Schizophr Res	
López-Cortés Rubén	33021632	Glycobiology	WB
Paulina Sosicka	36053214	J Cell Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

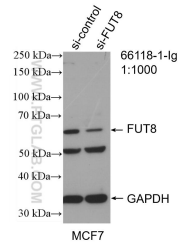
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

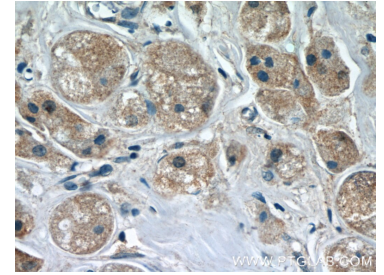
Selected Validation Data



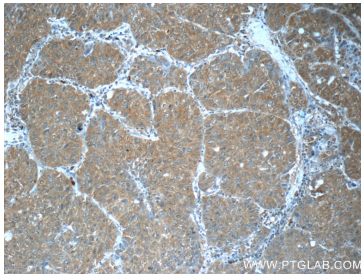
MDA-MB-231 cells were subjected to SDS PAGE followed by western blot with 66118-1-Ig (FUT8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of FUT8 antibody (66118-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FUT8 transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer slide using 66118-1-Ig (FUT8 Antibody) at dilution of 1:50 under 40x lens.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66118-1-Ig (FUT8 Antibody) at dilution of 1:50 under 10x lens.