For Research Use Only

FUT9 Monoclonal antibody

Catalog Number:60230-1-Ig Featured Product 2 Publications

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Basic Information

Catalog Number:
60230-1-Ig

Size:
1500 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG8298

GenBank Accession Number:
BC036101

GeneID (NCBI):
10690

UNIPROT ID:
Q9Y231

Full Name:
fucosyltransferase 9 (alpha (1,3) fucosyltransferase)

Calculated MW:
359 aa, 42 kDa

Observed MW:
44-46 kDa

Purification Method:
Protein A purification

CloneNo.:
5D4G6

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500
IF-P 1:200-1:800

Applications

Tested Applications:
WB, IF-P, IHC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, pig, mouse, rat

Cited Species:
human, mouse

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 : pig brain tissue, rat brain tissue, mouse brain tissue, fetal human brain tissue

IHC : human cervical cancer tissue, human breast cancer tissue, human stomach tissue

IF-P : human breast cancer tissue,

Background Information

FUT9 is the main enzyme responsible for the synthesis of Lewis X (Lex) and catalyzes the last step in the biosynthesis of Lewis X antigen by addition of a fucose residue to precursor glycan structures. FUT9 is expressed in stomach, kidney, brain, and in leukocytes.

Notable Publications

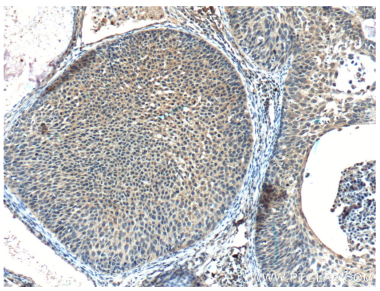
Author	Pubmed ID	Journal	Application
Athanasios Blanas	32927726	Cancers (Basel)	WB
Aiping Xu	37674363	Acta Biochim Biophys Sin (Shanghai)	WB,IHC

Storage

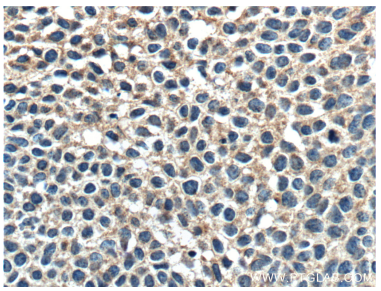
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

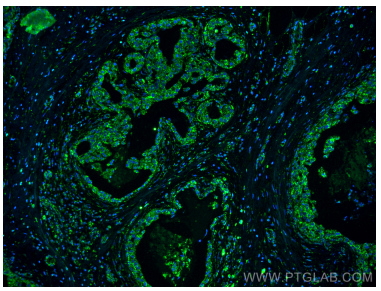
Selected Validation Data



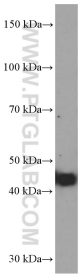
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 60230-1-Ig (FUT9 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 60230-1-Ig (FUT9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using FUT9 antibody (60230-1-Ig, Clone: 5D4G6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



pig brain tissue were subjected to SDS PAGE followed by western blot with 60230-1-Ig (FUT9 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.