

Anti-FUT11 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 56 kDa. Actual: 56 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Hela Cell (Human) Lysate at 40 µg Primary: Anti-FUT11 (TMAB-06214) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD
	2. Sample: HepG2 Cell (Human) Lysate at 40 µg Primary: Anti-FUT11 (TMAB-06214) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD
	3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FUT11) Polyclonal Antibody, Unconjugated (TMAB-06214) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: Human FUT11/FucT-XI
Antigen Species:	Human
Gene ID:	170384
Uniprot ID:	Q495W5

Research Background

Glycosyltransferases that mediate the regio- and stereoselective transfer of sugars, such as the fucosyltransferases, determine cell surface-carbohydrate profiles, which are essential interfaces for biological recognition processes. Fucosyltransferases (FucTs) catalyze the covalent association of fucose to different positional linkages on sugar acceptor molecules. The carbohydrate moieties that are generated are covalently attached to cell surfaces and are

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necessary to ensure a surface contour that satisfies a variety of physiological roles. FucT-XI is a 492 amino acid single-pass type II membrane protein that belongs to the glycosyltransferase 10 family. Localizing to Golgi apparatus, FucT-XI may act as a fucosyltransferase and exists as two alternatively spliced isoforms. The gene encoding FucT-XI maps to mouse chromosome 14 A3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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