

For Research Use Only

POFUT1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87434-1-PBS



Basic Information

| | | |
|--|---|---|
| Catalog Number: 87434-1-PBS | GenBank Accession Number: NM_015352.2 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 23509 | CloneNo.: 252682G5 |
| Isotype: IgG | UNIPROT ID: Q9H488-1 | |
| Immunogen Catalog Number: EG6687 | Full Name: protein O-fucosyltransferase 1 | |
| | Calculated MW: 44 kDa | |
| | Observed MW: 40-45 kDa | |

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

POFUT1 (protein O-fucosyltransferase 1), also known as GDP-fucose protein O-fucosyltransferase, is an enzyme that catalyzes the reaction that attaches fucose through an O-glycosidic linkage to a conserved serine or threonine residue in EGF domains and plays a crucial role in Notch signaling.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

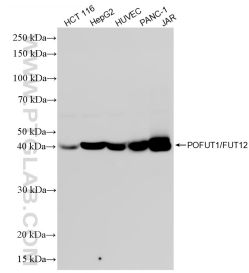
T: 4006900926

E: Proteintech-CN@ptglab.com

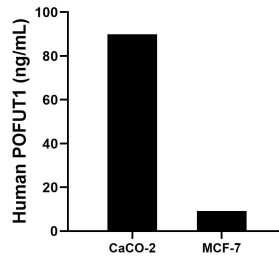
W: ptgcn.com

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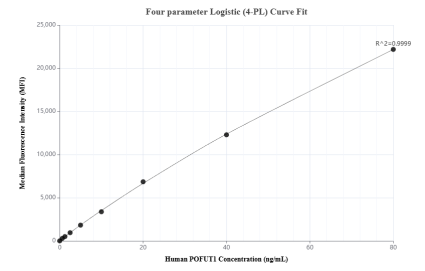
Selected Validation Data



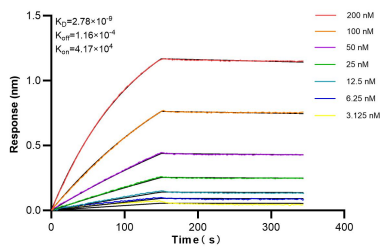
Various lysates were subjected to SDS PAGE followed by western blot with 87434-1-RR (POFUT1/FUT12 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87434-1-PBS in a different storage buffer formulation.



The mean POFUT1 concentration was determined to be 89.9 ng/mL in CaCO-2 cell extract based on a 1.3 mg/mL extract load, 9.2 ng/mL in MCF-7 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03009-1, POFUT1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87434-2-PBS. Detection antibody: 87434-1-PBS. Standard: Eg6687. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87434-1-RR against Human POFUT1 were performed. The affinity constant is 2.78 nM.