

FPGT Polyclonal Antibody

Catalog NumberPA5-21539

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 146 and 453 of FPGT (Uniprot ID#O14772)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.74 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLaS3, Raji. Predicted reactivity: Dog (84%), Pig (85%), Rabbit (82%), Rhesus Monkey (96%), Bovine (83%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

L-fucose is a key sugar in glycoproteins and other complex carbohydrates since it may be involved in many of the functional roles of these macromolecules, such as in cell-cell recognition. The fucosyl donor for these fucosylated oligosaccharides is GDP-beta-L-fucose. There are two alternate pathways for the biosynthesis of GDP-fucose; the major pathway converts GDP-alpha-D-mannose to GDP-beta-L-fucose. The protein encoded by this gene participates in an alternate pathway that is present in certain mammalian tissues, such as liver and kidney, and appears to function as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids. This pathway involves the phosphorylation of L-fucose to form beta-L-fucose-1-phosphate, and then condensation of the beta-L-fucose-1-phosphate with GTP by fucose-1-phosphate guanylyltransferase to form GDP-beta-L-fucose.

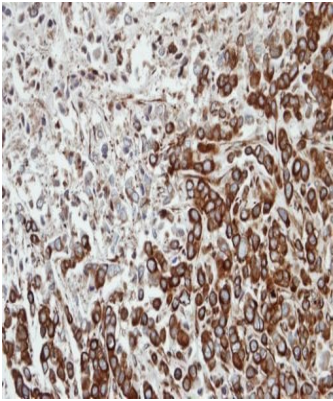
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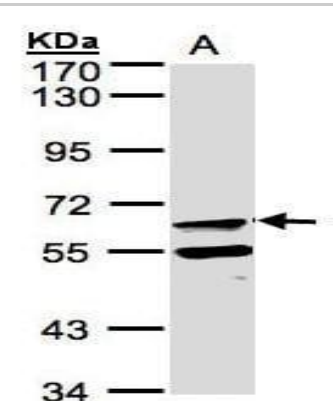
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Product Images For FPGT Polyclonal Antibody



**FPGT Antibody (PA5-21539) in IHC (P)**  
Immunohistochemical analysis of paraffin-embedded MDA-MB-468 xenograft, using FPGT (Product # PA5-21539) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



**FPGT Antibody (PA5-21539) in WB**  
Western Blot using FPGT Polyclonal Antibody (Product # PA5-21539). Sample (30 µg of whole cell lysate). A: Raji. 7.5% SDS PAGE. FPGT Polyclonal Antibody (Product # PA5-21539) diluted at 1:500.

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