

Rabbit FPGT Polyclonal Antibody | anti-FPGT antibody

FPGT antibody

CATALOG # AAA107649	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	-----------------------	---

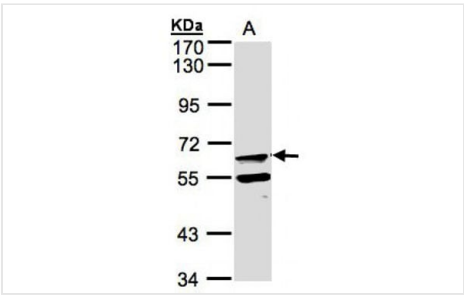
PRODUCT SYNONYMS

FPGT; Polyclonal Antibody; FPGT antibody; Polyclonal FPGT; Anti-FPGT; GFPP; GDP-beta-L-fucose pyrophosphorylase; fucose-1-phosphate guanyltransferase; anti-FPGT antibody

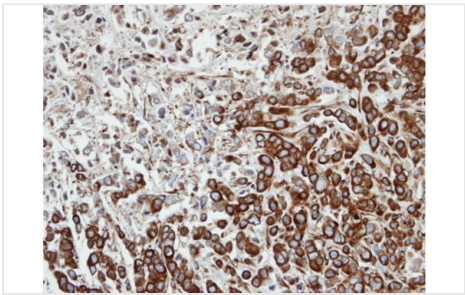
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	FPGT antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.74 mg/ml (varies by lot)
Sequence Length	353
Applicable Applications for anti-FPGT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	FPGT antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 146 and 453 of FPGT
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A:Raji) using a 7.5 % SDS PAGE gel and FPGT antibody at a dilution of 1:500



IHC (Immunohistochemistry)
Immunohistochemical staining of paraffin-embedded MDA-MB-468 xenograft using FPGT antibody at a dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-FPGT antibody	Affinity purified Rabbit polyclonal FPGT antibody
Product Categories/Family for anti-FPGT antibody	Cell Biology; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	510025472
NCBI GeneID	8790
NCBI Accession #	NP_001186257.2
NCBI GenBank Nucleotide #	NM_001199328.2
UniProt Accession #	O14772; Q8N5J7; A6NMH3; B4DRX2; B4E2Y7; E9PNQ2
Molecular Weight	67 kDa
NCBI Official Full Name	fucose-1-phosphate guanylyltransferase isoform 3
NCBI Official Synonym Full Names	fucose-1-phosphate guanylyltransferase
NCBI Official Symbol	FPGT
NCBI Official Synonym Symbols	GFPP
NCBI Protein Information	fucose-1-phosphate guanylyltransferase
UniProt Protein Name	Fucose-1-phosphate guanylyltransferase
UniProt Gene Name	FPGT
UniProt Synonym Gene Names	GFPP
UniProt Entry Name	FPGT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.