

bs-13211R**[Primary Antibody]**

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FPGT Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Dog) Predicted MW.: 67 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 8790	SWISS: O14772	
Target: FPGT		
Immunogen: KLH conjugated synthetic peptide derived from human FPGT: 251-350/594.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Guanylyltransferase enzymes transfer one molecule of GTP to another molecule and also function in the transfer of guanosine nucleotides to sugar molecules. The carbohydrate moieties that are generated are covalently attached to cell surfaces and are necessary to ensure a surface contour that satisfies a variety of physiological roles. L-fucose is an important sugar in complex carbohydrates that is frequently found on plant and mammalian N-linked glycans. FPGT (Fucose-1-phosphate guanylyltransferase), also known as GFPP (GDP-L-fucose pyrophosphorylase), is a 594 amino acid cytoplasmic protein that catalyzes the formation of GDP-L-fucose from L-fucose-1-phosphate and GTP. FPGT functions to reutilize the L-fucose that is produced upon glycoprotein and glycolipid turnover.		