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PIG-X Polyclonal Antibody

Catalog # AP71909

Product Information

Application	WB, IHC-P
Primary Accession	Q8TBF5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28788

Additional Information

Gene ID	54965
Other Names	PIGX; Phosphatidylinositol-glycan biosynthesis class X protein; PIG-X
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

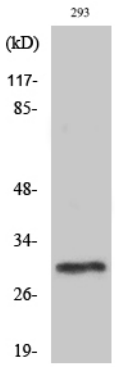
Protein Information

Name	PIGX (HGNC:26046)
Function	Stabilizing subunit of the glycosylphosphatidylinositol- mannosyltransferase I complex which catalyzes the transfer of the first mannose, via an alpha-1,4 bond from a dolichol-phosphate-mannose (Dol- P-Man) to the glucosaminyl acyl phosphatidylinositol (GlcN-(acyl)PI) intermediate to generate alpha-D-Man-(1->4)-alpha-D-GlcN-(1->6)-(1-radyl,2-acyl-sn-glycero-3-phospho)-2-acyl-inositol and participates in the sixth step of the glycosylphosphatidylinositol-anchor biosynthesis. Probably acts by stabilizing the mannosyltransferase PIGM.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q60GF7}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q60GF7}

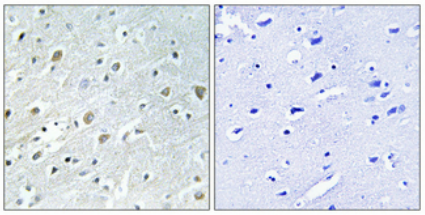
Background

Essential component of glycosylphosphatidylinositol- mannosyltransferase 1 which transfers the first of the 4 mannoses in the GPI-anchor precursors during GPI-anchor biosynthesis. Probably acts by stabilizing the mannosyltransferase PIGM (By similarity).

Images



Western Blot analysis of various cells using PIG-X Polyclonal Antibody diluted at 1：1000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.