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Anti-PIGX Antibody

Catalog # AP59847

Product Information

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

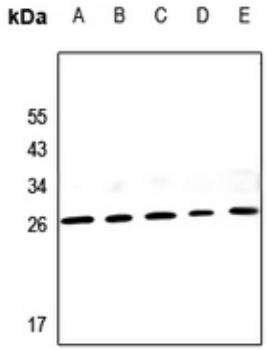
Additional Information

Gene ID	54965
Other Names	Phosphatidylinositol-glycan biosynthesis class X protein; PIG-X
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PIGX. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

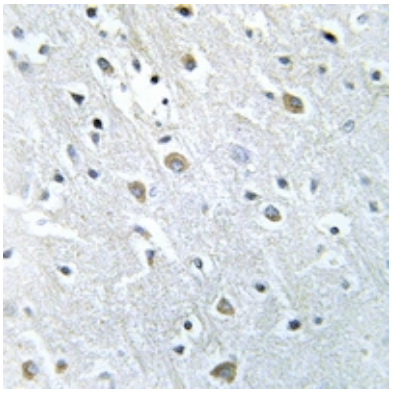
Protein Information

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}

Images



Western blot analysis of PIGX expression in LO2 (A), HEK293T (B), A549 (C), C6 (D), CT26 (E) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 28 kD)



Immunohistochemical analysis of PIGX staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.