

PIG-X Polyclonal Antibody

Catalog No :	YT3726
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	PIG-X
Fields :	>>Glycosylphosphatidylinositol (GPI)-anchor biosynthesis;>>Metabolic pathways
Gene Name :	PIGX
Protein Name :	Phosphatidylinositol-glycan biosynthesis class X protein
Human Gene Id :	54965
Human Swiss Prot No :	Q8TBF5
Mouse Swiss Prot No :	Q99LV7
Immunogen :	The antiserum was produced against synthesized peptide derived from human PIGX. AA range:183-232
Specificity :	PIG-X Polyclonal Antibody detects endogenous levels of PIG-X protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 26kD

Cell Pathway : Glycosylphosphatidylinositol(GPI)-anchor biosynthesis;

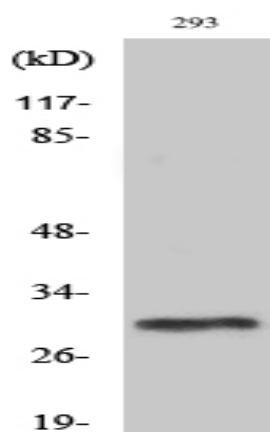
Background : This gene encodes a type I transmembrane protein in the endoplasmic reticulum (ER). The protein is an essential component of glycosylphosphatidylinositol-mannosyltransferase I, which transfers the first of the four mannoses in the GPI-anchor precursors during GPI-anchor biosynthesis. Studies in rat indicate that the protein is translated from a non-AUG translation initiation site. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009],

Function : function: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.,pathway:Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.,PTM:N-glycosylated.,sequence caution:Unusual initiator. The initiator methionine is coded by a non-canonical CTG leucine codon.,similarity:Belongs to the PIGX family.,subunit:Interacts with PIGM.,

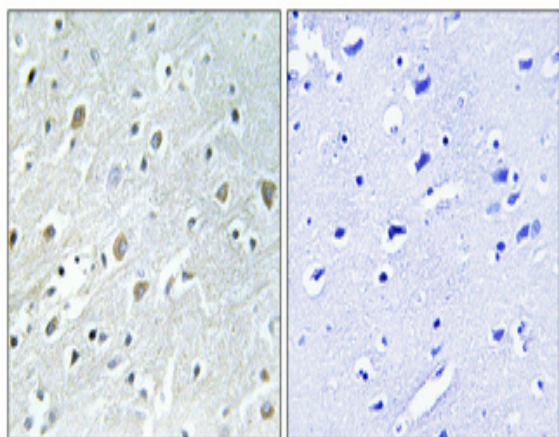
Subcellular Location : Endoplasmic reticulum membrane ; Single-pass type I membrane protein .

Expression : Brain,

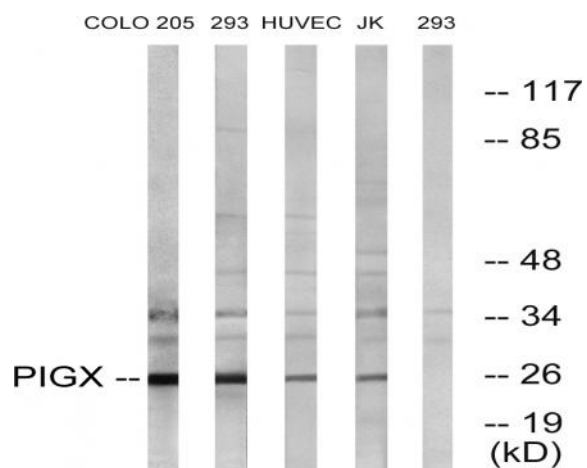
Products Images



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. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from 293, COLO, HUVEC, and Jurkat cells, using PIGX Antibody. The lane on the right is blocked with the synthesized peptide.