

## PIG-X Polyclonal Antibody

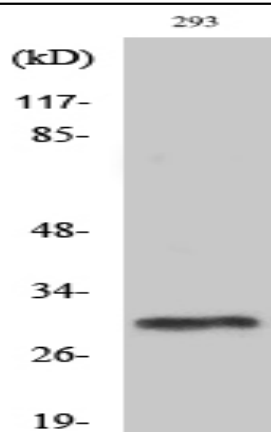
<b>Catalog No :</b>	YT3726
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PIG-X
<b>Fields :</b>	>>Glycosylphosphatidylinositol (GPI)-anchor biosynthesis;>>Metabolic pathways
<b>Gene Name :</b>	PIGX
<b>Protein Name :</b>	Phosphatidylinositol-glycan biosynthesis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

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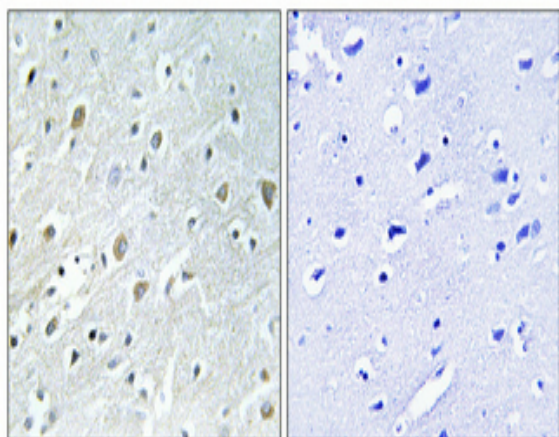
<b>Observed Band :</b>	26kD
<b>Cell Pathway :</b>	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis;
<b>Background :</b>	This gene encodes a type I transmembrane protein in the endoplasmic reticulum (ER). The protein is an essential component of glycosylphosphatidylinositol-mannosyltransferase I, 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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Endoplasmic reticulum membrane ; Single-pass type I membrane protein .
<b>Expression :</b>	Brain,
<b>Sort :</b>	12699
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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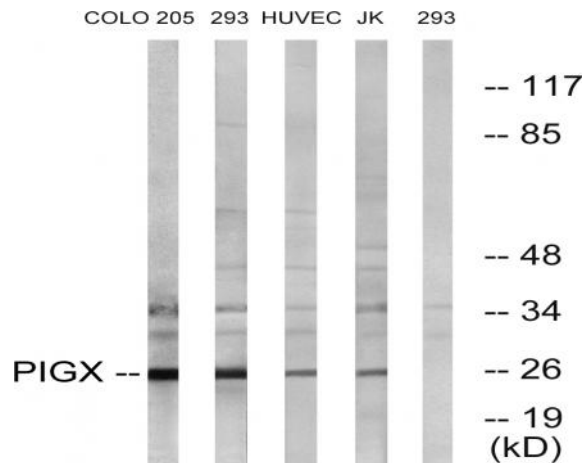
## Products Images



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.