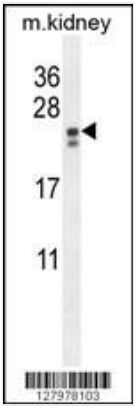
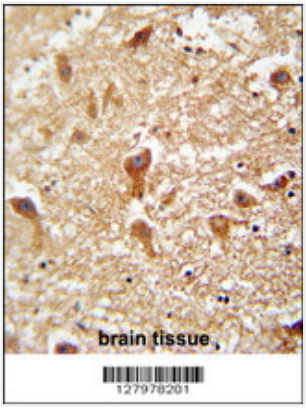
PIGX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIGX, Polyclonal Antibody
Full Product Name	PIGX, NT (PIGX, Phosphatidylinositol-glycan biosynthesis class X protein) (Azide free) (HRP)
Product Gene Name	anti-PIGX antibody
Product Synonym Names	PIGX; Phosphatidylinositol-glycan biosynthesis class X protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	30,974 Da
OMIM	610276
3D Structure	ModBase 3D Structure for Q8TBF5
Immunogen	PIGX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-103 amino acids from the N-terminal region of human PIGX.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-PIGX antibody	Antibodies; Carbohydrates; Glycoproteins
Applications Tested/Suitable for anti-PIGX antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-PIGX antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PIGX antibody	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).
Other Notes	Small volumes of anti-PIGX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PIGX purchase	MBS6333930 is an antibody targeting PIGX. Also known as PIGX, NT (PIGX, Phosphatidylinositol-glycan biosynthesis class X protein) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PIGX antibody
PIGX Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the PIGX antibody detected the PIGX protein (arrow).



Immunohistochemistry (IHC) of anti-PIGX antibody
PIGX antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PIGX antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIGX. It may not necessarily be applicable to this product.

NCBI GI #	261490706
NCBI GeneID	54965
NCBI Accession #	NP_060331.3
NCBI Related Accession #	NP_001159776.1
UniProt Primary Accession #	Q8TBF5
UniProt Secondary Accession #	Q9NWZ2
UniProt Related Accession #	Q8TBF5
GenBank Nucleotide #	NM_017861.3
NCBI Official Full Name	phosphatidylinositol-glycan biosynthesis class X protein isoform 2
NCBI Official Synonym Full Names	phosphatidylinositol glycan anchor biosynthesis class X
NCBI Official Symbol	PIGX
NCBI Official Synonym Symbols	PIG-X
UniProt Protein Name	Phosphatidylinositol-glycan biosynthesis class X protein
Protein Family	Phosphatidylinositol-glycan biosynthesis class X protein
UniProt Gene Name	PIGX
UniProt Synonym Gene Names	PIG-X
UniProt Entry Name	PIGX_HUMAN
NCBI Protein Information	phosphatidylinositol-glycan biosynthesis class X protein
NCBI Summary for PIGX	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]

UniProt Comments for PIGX	PIGX: 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. Belongs to the PIGX family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3q29 Cellular Component: endoplasmic reticulum membrane; integral to membrane Biological Process: cellular protein metabolic process; preassembly of GPI anchor in ER membrane; C-terminal protein lipidation; post-translational protein modification
Research Articles on PIGX	**1.** mammalian PIG-X and yeast Pbn1p are the essential components of glycosylphosphatidylinositol-mannosyltransferase I
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