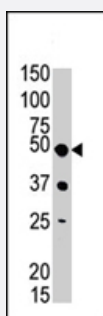


PIGK polyclonal antibody

Catalog # PAB4335

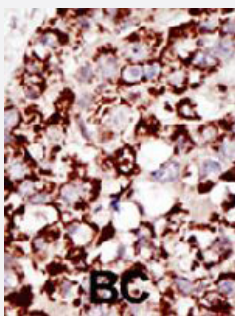
Size 400 uL

Applications



Western Blot (Tissue lysate)

The PIGK polyclonal antibody (Cat # PAB4335) is used in Western blot to detect PIGK in mouse liver tissue lysate .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PIGK polyclonal antibody (Cat # PAB4335) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIGK.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PIGK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The PIGK polyclonal antibody (Cat # PAB4335) is used in Western blot to detect PIGK in mouse liver tissue lysate .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PIGK polyclonal antibody (Cat # PAB4335) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PIGK

Entrez GeneID	10026
Protein Accession#	GPI8_HUMAN
Gene Name	PIGK
Gene Alias	GPI8, MGC22559
Gene Description	phosphatidylinositol glycan anchor biosynthesis, class K
Omim ID	605087
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the cysteine protease family C13 that is involved in glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This protein is a member of the multisubunit enzyme, GPI transamidase and is thought to be its enzymatic component. GPI transamidase mediates GPI anchoring in the endoplasmic reticulum, by catalyzing the transfer of fully assembled GPI units to proteins. [provided by RefSeq]

Other Designations

GPI transamidase subunit|OTTHUMP00000011255|phosphatidylinositol glycan, class K

Publication Reference

- [Two subunits of glycosylphosphatidylinositol transamidase, GPI8 and PIG-T, form a functionally important intermolecular disulfide bridge.](#)

Ohishi K, Nagamune K, Maeda Y, Kinoshita T.

The Journal of Biological Chemistry 2003 Apr; 278(16):13959.

Application: WB, Human, HeLa, K562 cells

- [PIG-S and PIG-T, essential for GPI anchor attachment to proteins, form a complex with GAA1 and GPI8.](#)

Ohishi K, Inoue N, Kinoshita T.

The EMBO Journal 2001 Aug; 20(15):4088.

Pathway

- [Glycosylphosphatidylinositol\(GPI\)-anchor biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)