

Datasheet

PIGK polyclonal antibody

Catalog Number: PAB4335

Regulation Status: For research use only (RUO)

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

Applications: ELISA, IHC-P, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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.

Entrez GeneID: 10026

Gene Symbol: PIGK

Gene Alias: GPI8, MGC22559

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]

References:

1. Two subunits of glycosylphosphatidylinositol transamidase, GPI8 and PIG-T, form a functionally important intermolecular disulfide bridge. Ohishi K, Nagamune K, Maeda Y, Kinoshita T. J Biol Chem. 2003 Apr 18;278(16):13959-67. Epub 2003 Feb 11.
2. Structural requirements for the recruitment of Gaa1 into a functional glycosylphosphatidylinositol transamidase complex. Vainauskas S, Maeda Y, Kurniawan H, Kinoshita T, Menon AK. J Biol Chem. 2002 Aug 23;277(34):30535-42. Epub 2002 Jun 6.
3. 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. EMBO J. 2001 Aug 1;20(15):4088-98.