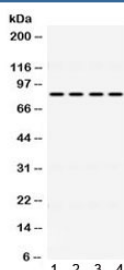


PIGR Antibody (R31866)

Catalog No.	Formulation	Size
R31866	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P01833
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This PIGR antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) SKOV, 3) MCF7, and 4) SW620 cell lysate with PIGR antibody. Expected/observed molecular weight ~83 kDa.

Description

Polymeric immunoglobulin receptor is a protein that in humans is encoded by the PIGR gene. It is a Fc receptor which facilitates the secretion of the soluble polymeric isoforms of immunoglobulin A and immunoglobulin M. This gene is mapped to 1q31-q41. The encoded poly-Ig receptor binds polymeric immunoglobulin molecules at the basolateral surface of epithelial cells; the complex is then transported across the cell to be secreted at the apical surface. A significant association was found between immunoglobulin A nephropathy and several SNPs in this gene.

Application Notes

Optimal dilution of the PIGR antibody should be determined by the researcher.

Immunogen

Amino acids DAAPDEKVLDSGFREIENKAIQDPRLFAEEKAVAD of human PIGR were used as the immunogen for the PIGR antibody.

Storage

After reconstitution, the PIGR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.