

Anti-PIGR Picoband Antibody
Catalog # ABO12462**Specification**

Anti-PIGR Picoband Antibody - Product Information

Application	WB
Primary Accession	P01833
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Polymeric immunoglobulin receptor(PIGR) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-PIGR Picoband Antibody - Additional Information

Gene ID 5284

Other Names

Polymeric immunoglobulin receptor, PIgR, Poly-Ig receptor, Hepatocellular carcinoma-associated protein TB6, Secretory component, PIGR

Calculated MW

83284 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cell membrane; Single-pass type I membrane protein.

Protein Name

Polymeric immunoglobulin receptor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human PIGR (579-613aa DAAPDEKVLDSGFREIENKAIQDPRLFAEEKAVAD), different from the related rat sequence by eighteen amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-PIGR Picoband Antibody - Protein Information**Name** PIGR**Function**

[Polymeric immunoglobulin receptor]: Mediates selective transcytosis of polymeric IgA and IgM across mucosal epithelial cells. Binds polymeric IgA and IgM at the basolateral surface of epithelial cells. The complex is then transported across the cell to be secreted at the apical surface. During this process, a cleavage occurs that separates the extracellular (known as the secretory component) from the transmembrane segment.

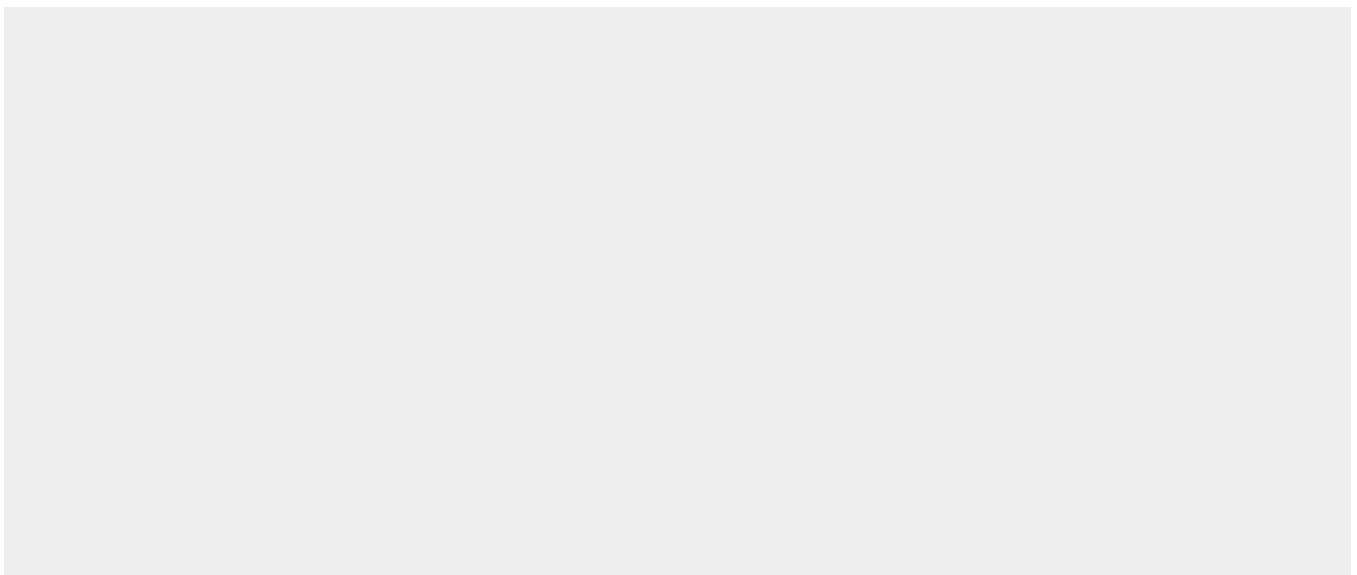
Cellular Location

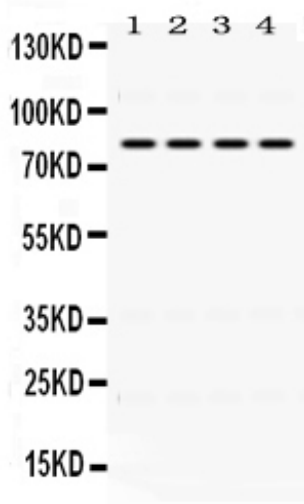
[Polymeric immunoglobulin receptor]: Cell membrane; Single-pass type I membrane protein

Anti-PIGR Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PIGR Picoband Antibody - Images



Anti- PIGR Picoband antibody, ABO12462, Western blotting All lanes: Anti PIGR (ABO12462) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: SKOV Whole Cell Lysate at 40ug
Lane 3: MCF-7 Whole Cell Lysate at 40ug
Lane 4: SW620 Whole Cell Lysate at 40ug
Predicted bind size: 83KD
Observed bind size: 83KD

Anti-PIGR Picoband Antibody - Background

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.