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Anti-PIGR Picoband Antibody

Catalog # ABO12462

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.

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
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Cell membrane; Single-pass type I membrane protein.
Source	Eukaryota
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 r˚Constitution, 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.

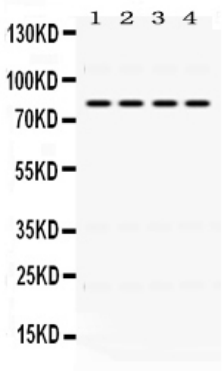
Protein Information

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

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.

Images



Anti- PIGR Picoband antibody, ABO12462, Western blottingAll lanes: Anti PIGR (ABO12462) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: SKOV Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugPredicted bind size: 83KDObserved bind size: 83KD