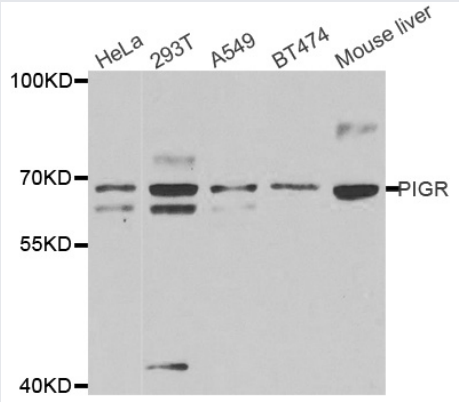
PIGR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIGR, Polyclonal Antibody
Full Product Name	PIGR antibody
Product Gene Name	anti-PIGR antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total PIGR antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	83,284 Da
OMIM	173880
3D Structure	ModBase 3D Structure for P01833
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PIGR.
Target Name	PIGR
Product Categories/Family for anti-PIGR antibody	Total protein Ab
Applications Tested/Suitable for anti-PIGR antibody	Western Blot (WB)
Application Notes for anti-PIGR antibody	Western blotting: 1:500 - 1:2000
Related Product Information for anti-PIGR antibody	This gene is a member of the immunoglobulin superfamily. 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.
Other Notes	Small volumes of anti-PIGR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PIGR purchase	MBS9413216 is an antibody targeting PIGR. Also known as PIGR antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PIGR antibody
Western blot analysis of extracts of various cell lines, using PIGR antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIGR. It may not necessarily be applicable to this product.

NCBI GI #	31377806
NCBI GeneID	5284
NCBI Accession #	NP_002635.2
UniProt Primary Accession #	P01833
UniProt Secondary Accession #	Q68D81; Q8IZY7
UniProt Related Accession #	P01833
GenBank Nucleotide #	NM_002644.3
NCBI Official Full Name	polymeric immunoglobulin receptor
NCBI Official Synonym Full Names	polymeric immunoglobulin receptor
NCBI Official Symbol	PIGR
UniProt Protein Name	Polymeric immunoglobulin receptor
UniProt Synonym Protein Names	Hepatocellular carcinoma-associated protein TB6
Protein Family	Polymeric immunoglobulin receptor
UniProt Gene Name	PIGR
UniProt Synonym Gene Names	PIgR; Poly-Ig receptor
UniProt Entry Name	PIGR_HUMAN
NCBI Protein Information	polymeric immunoglobulin receptor

UniProt Comments for PIGR	PIGR: This receptor 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. Protein type: Membrane protein, integral; Immunoglobulin superfamily; Receptor, misc. Chromosomal Location of Human Ortholog: 1q31-q41 Cellular Component: extracellular space; integral to plasma membrane; plasma membrane; receptor complex Molecular Function: polymeric immunoglobulin receptor activity Biological Process: epidermal growth factor receptor signaling pathway; retinal homeostasis; detection of chemical stimulus involved in sensory perception of bitter taste; receptor clustering; immunoglobulin transcytosis in epithelial cells mediated by polymeric immunoglobulin receptor Disease: Iga Nephropathy, Susceptibility To, 1
Research Articles on PIGR	**1.** the polymeric immunoglobulin receptor (pIgR) is highly expressed by renal cyst-lining cells. pIgR expression is, in part, driven by aberrant STAT6 pathway activation.
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