Rabbit anti-Human PIGR Polyclonal Antibody | anti-PIGR antibody

PIGR Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287810	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

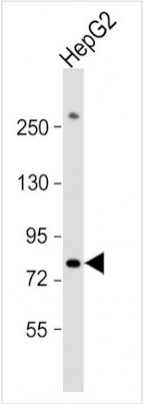
PRODUCT SYNONYMS

PIGR; Polyclonal Antibody; PIGR Antibody (C-term); Polymeric immunoglobulin receptor; PIgR; Poly-Ig receptor; Hepatocellular carcinoma-associated protein TB6; Secretory component; anti-PIGR antibody

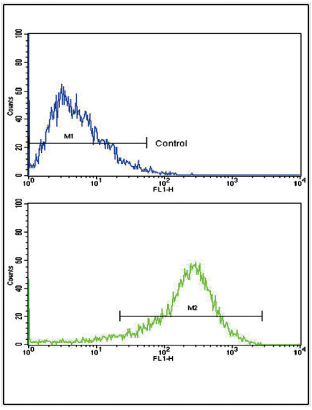
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This PIGR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 646-672 amino acids from the C-terminal region of human PIGR.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	646-672
Sequence Length	764
Applicable Applications for anti-PIGR antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

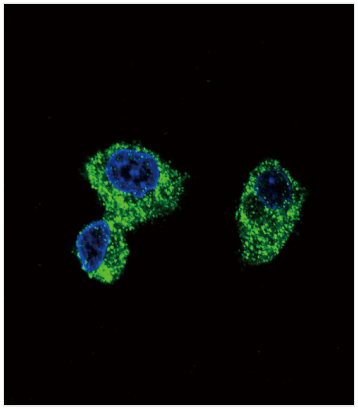
IMAGES



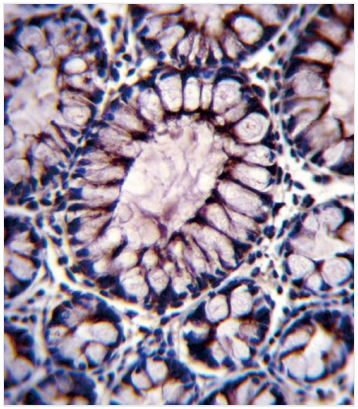
WB (Western Blot)
Anti-PIGR Antibody (C-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



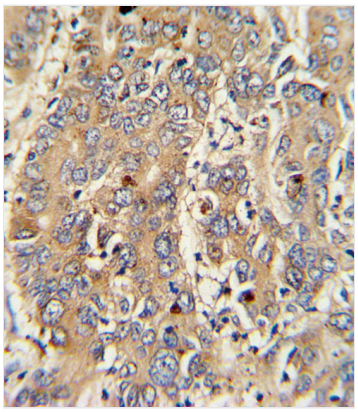
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using PIGR Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



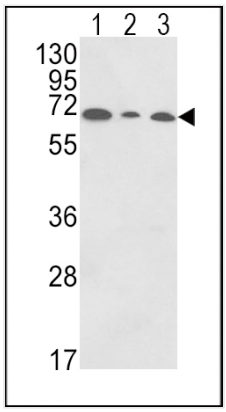
IF (Immunofluorescence)
Confocal immunofluorescent analysis of PIGR Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemisry)
PIGR Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PIGR Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma with PIGR Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PIGR Antibody (C-term) in HepG2(lane 1),K562(lane 2),HL-60(lane 3) cell line lysates (35ug/lane).PIGR (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PIGR antibody	PIGR 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.
Product Categories/Family for anti-PIGR antibody	Immunology
References	Ewing,R.M., et.al., Mol. Syst. Biol. 3, 89 (2007) Orzech,E., Cohen,S., et.al., J. Biol. Chem. 275 (20), 15207-15219 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31377806
NCBI GeneID	5284
NCBI Accession #	NP_002635.2
NCBI GenBank Nucleotide #	NM_002644.3
UniProt Accession #	P01833; Q68D81; Q8IZY7
Molecular Weight	83284
NCBI Official Full Name	polymeric immunoglobulin receptor
NCBI Official Synonym Full Names	polymeric immunoglobulin receptor
NCBI Official Symbol	PIGR
NCBI Protein Information	polymeric immunoglobulin receptor
UniProt Protein Name	Polymeric immunoglobulin receptor
UniProt Gene Name	**PIGR**
UniProt Synonym Gene Names	PIgR; Poly-Ig receptor
UniProt Entry Name	PIGR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/pigr-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/287810