10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PIGR Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8555b

Specification

PIGR Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P01833

PIGR Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5284

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8555b was selected from the C-term region of human PIGR. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PIGR Antibody (C-term) Blocking Peptide - 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

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PIGR Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PIGR Antibody (C-term) Blocking Peptide - Images

PIGR Antibody (C-term) Blocking Peptide - Background

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.

PIGR Antibody (C-term) Blocking Peptide - 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)