

Anti-PIGR Antibody (50982)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 50982 |
| Purification: | Protein A |

Applications

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| Verified Activity: | 1. Immunochemical staining of human PIGR in human liver (cirrhosis) with rabbit monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to hepatocyte. |
| | 2. Immunochemical staining of human PIGR in human breast carcinoma with rabbit monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). |
| | 3. Immunofluorescence staining of PIGR in HepG2 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Y PIGR monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm. |
| Application: | ICC/IF, IHC-P |
| Recommended | IHC-P: 1:50-1:200; ICC-IF: 1:20-1:100 |

Properties

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| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human PIGR protein (TMPY-00902) |
| Antigen Species: | Human |
| Synonyms: | polymeric immunoglobulin receptor; Pigr |

Research Background

Polymeric immunoglobulin receptor, also known as PIGR, is a member of the immunoglobulin superfamily and a Fc receptor. The ectodomain of this receptor consists of five units with homology to the variable units of immunoglobulins and a transmembrane region, which also has some homology to certain immunoglobulin variable regions. PIGR is expressed on several glandular epithelia including those of liver and breast. The deduced amino-acid sequence has a length of 764 residues and shows an overall similarity of 56% and 64% with the rabbit and rat counterpart. PIGR mediates transcellular transport of polymeric immunoglobulin molecules, and thus facilitates the secretion of IgA and IgM. During this process, a cleavage occurs that separates the extracellular (known as the secretory component) from the transmembrane segment of PIGR.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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