

A Reliable Research Partner in Life Science and Medicine

# **Recombinant PIGR Monoclonal Antibody**

catalog number: AN300080P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human

Immunogen Recombinant Human PIGR protein

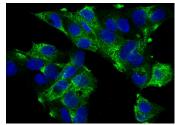
HostRabbitIsotypeIgGCloneA1190PurificationProtein A

Buffer 0.2 µm filtered solution in PBS

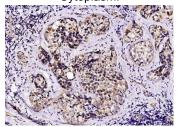
## Applications Recommended Dilution

IHC-P 1:50-1:200 ICC/IF 1:20-1:100

#### Data



Immunofluorescence analysis 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 for nuclear staining (blue).Positive staining was localized to Cytoplasm.



Immunohistochemistry of paraffin-embedded human breast carcinoma using PIGR Monoclonal Antibody at dilution of 1:60.



Immunohistochemistry of paraffin-embedded human liver cirrhosis using PIGR Monoclonal Antibody at dilution of 1:60.

# Preparation & Storage

**Storage** This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at  $-20\,^{\circ}$ C to  $-80\,^{\circ}$ C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

# Background

## For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: w w w .elabscience.com
 Email: techsupport@elabscience.com

# **Elabscience**®

#### **Elabscience Bionovation Inc.**

A Reliable Research Partner in Life Science and Medicine

The human polymeric immunoglobulin receptor (plgR; also known as membrane secretory component) is an approximately 100 kDa type I transmembrane glycoprotein that is synthesized as a 764 amino acid (aa) precursor. It includes a signal sequence (aa 1-18), an extracellular region (aa 19-638), a transmembrane segment (aa 639-661), and a cytoplasmic domain (aa 662-764) . The extracellular region consists of five Ig-like domains and a sixth non-lg domain that connects to the membrane region. plgR is expressed on secretory epithelial cells of exocrine tissues. Immunoglobulin isotypes consist of two heavy (H) and two light (L) chains. F

For Research Use Only