SunLong Biotech Co.,LTD
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Rabbit Anti-PIGR antibody

SL6061R

Product Name	PIGR
Chinese Name	多聚免疫球蛋白受体抗体
Alias	Hepatocellular carcinoma associated protein TB6; Phosphatidylinositol glycan, class R; PIgR; Poly Ig receptor; Polymeric immunoglobulin receptor; PIGR_HUMAN.
Research Area	Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, (predicted: Mouse, Rat, Dog, Cow,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	81kDa
Cellular localization	The cell membrane Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PIGR: 31-130/764 <Extracellular>
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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.[provided by RefSeq, Sep 2009]

Function:
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.

Subcellular Location:
Cell membrane; Single-pass type I membrane protein. Secretory component: Secreted.

Post-translational modifications:
N-glycosylation is not necessary for Ig binding.

Similarity:
Contains 5 Ig-like V-type (immunoglobulin-like)

Product Detail

SWISS:
P01833

Gene ID:
5284

Database links:

Entrez Gene: 5284 Human

Entrez Gene: 18703 Mouse

Omim: 173880 Human

SwissProt: P01833 Human

SwissProt: O70570 Mouse

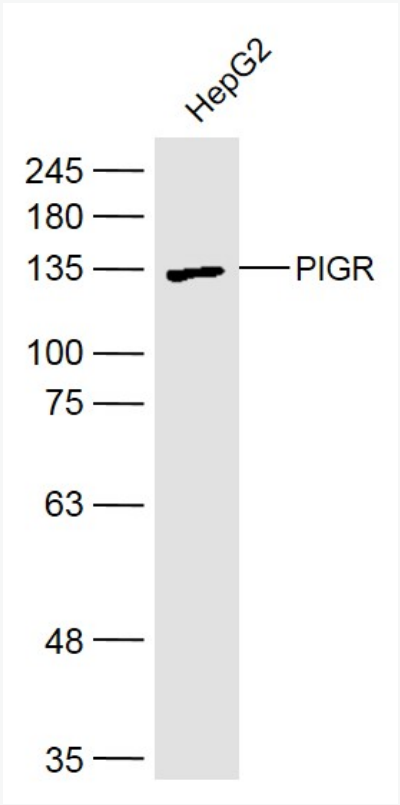
Unigene: 497589 Human

Unigene: 276414 Mouse

多聚免疫球蛋白受体（pIgR）属I型跨膜 glycoprotein，可与多聚免疫球蛋白 A 和多聚免疫球蛋白 M 特异性结合，通过穿胞转运，将它们从 epithelial cells 基底

侧膜转运到顶膜，并最终分泌到外分泌液中去. 在此过程中，多聚免疫球蛋白受体的细胞外段被水解，释放出与多聚免疫球蛋白 A 或多聚免疫球蛋白 M 相结合的细胞外段（又称为分泌成分）. 分泌成分是 sIgA 分子的重要组成部分，直接参与 sIgA 的粘膜防御功能，而且在被动粘膜免疫中也有重要作用. 多聚免疫球蛋白受体通过介导细胞内多聚免疫球蛋白的转运，可以在粘膜的腔面阻止病原体粘附，在 epithelial cells 内中和病毒，也可以将固有层内的抗原分泌出去.

Product Picture



Sample:

HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-PIGR (SL6061R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 81 kD

Observed band size: 131 kD

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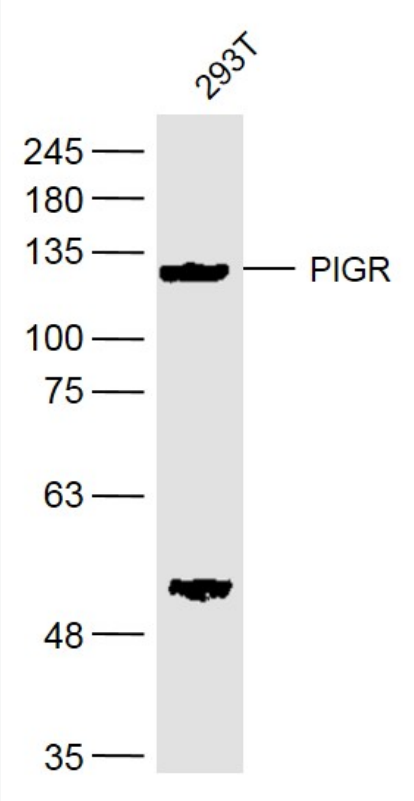

Sample:

293T(Human) Cell Lysate at 30 ug

Primary: Anti-PIGR (SL6061R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 81 kD

Observed band size: 131 kD

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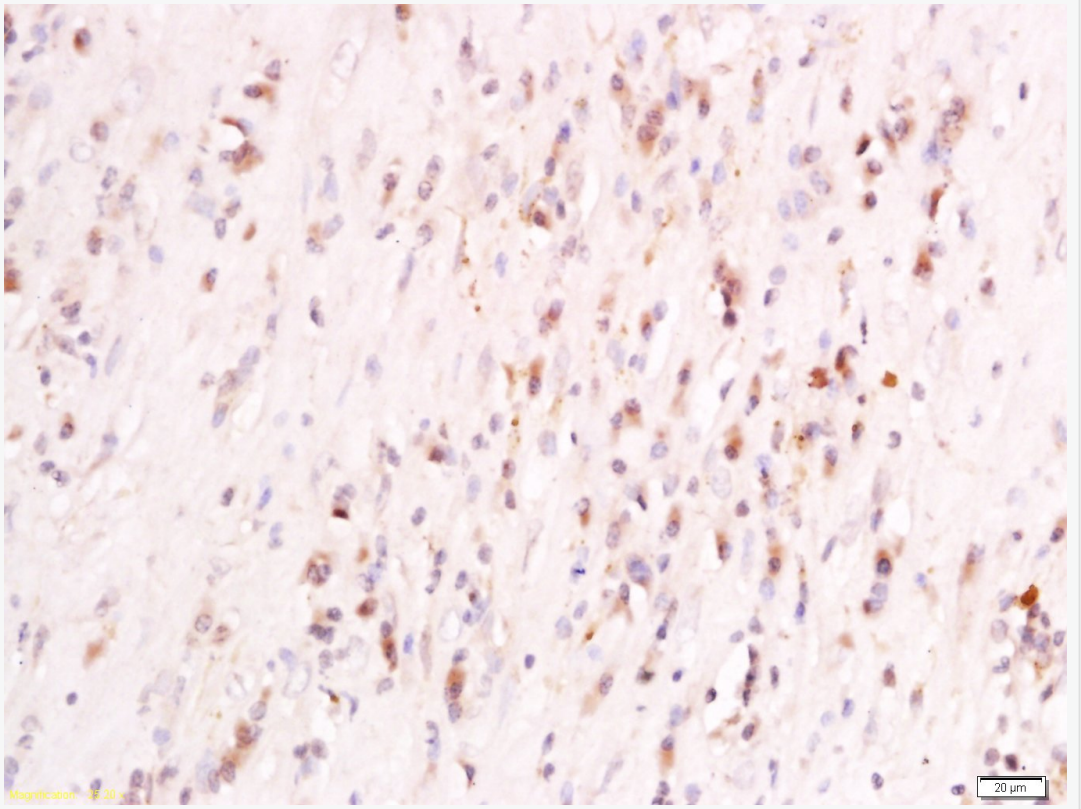
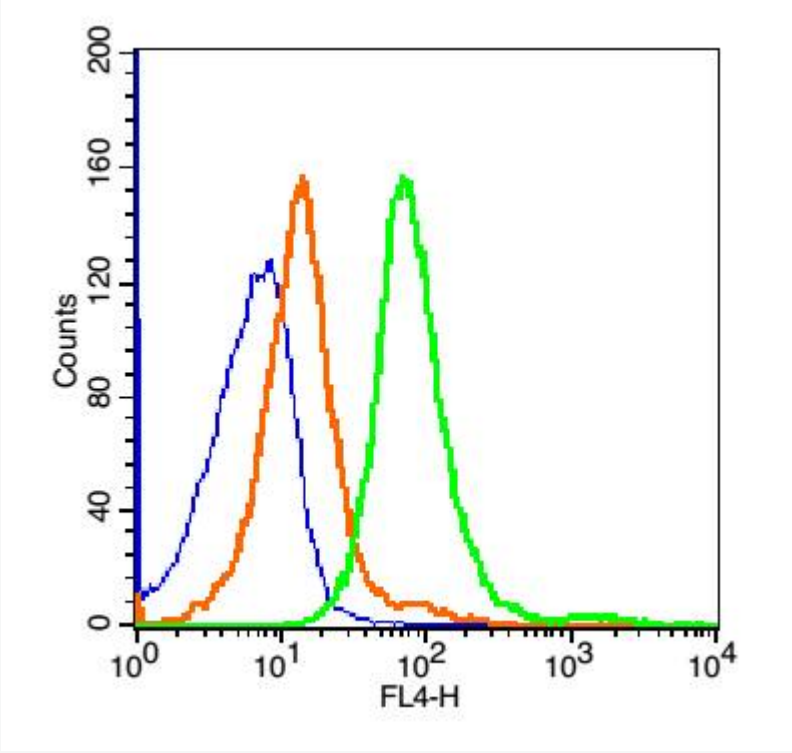


Paraformaldehyde-fixed, paraffin embedded (Human hepatocellular carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PIGR) Polyclonal Antibody, Unconjugated (SL6061R) at 1:200 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minu



Blank control : 293T Cells (Blue line)

Isotype control: SL0295P-AF647 (Orange line)

Primary antibody: SL6061R-AF647 (Green line)

COncentration: 2μg/10^6 cells,4℃ incubate 30min.