

PIGR Rabbit PolymAb®

Catalog No.: A29063PM

Basic Information

Observed MW

80-130 kDa

Calculated MW

83 kDa/85 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IF-F,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB 1:2000 - 1:10000

IP 0.5µg - 4µg antibody for
200µg - 600µg extracts of
whole cells

IF/ICC 1:100 - 1:200

IF-F 1:100 - 1:400

IF-P 1:200 - 1:800

IHC-P 1:500 - 1:2000

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay
requirements. For high-ratio
antibody dilutions
(≥1:10000) a sequential
dilution method is strongly
recommended to ensure
measurement accuracy.

Immunogen Information

Gene ID

5284/18703

Swiss Prot

P01833/O70570

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

PIGR

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

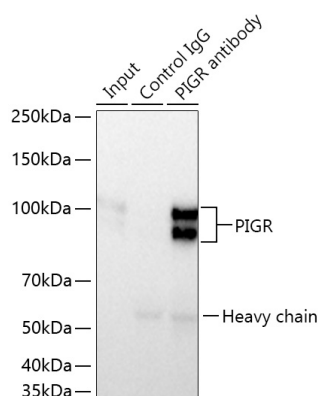
Contact

☎ | 400-999-6126

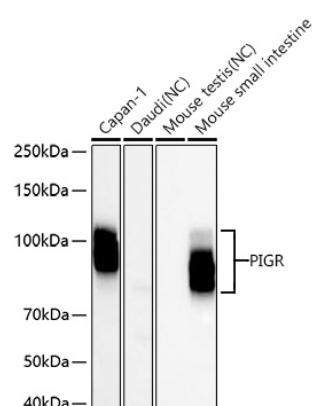
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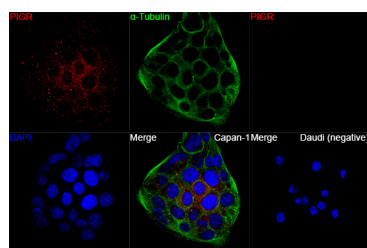
Validation Data



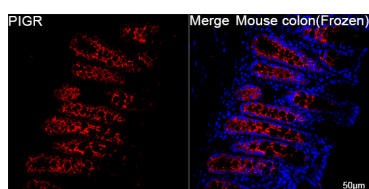
Immunoprecipitation of PIGR from 600 µg extracts of Capan-1 cells was performed using 2 µg of PIGR Rabbit PolymAb® (A29063PM). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000.



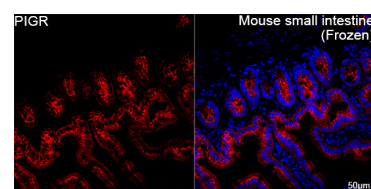
Western blot analysis of various lysates using PIGR Rabbit PolymAb® (A29063PM) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Daudi, Mouse testis.
Exposure time: 45 s.



Confocal imaging of Capan-1 cells and Daudi cells (negative) using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

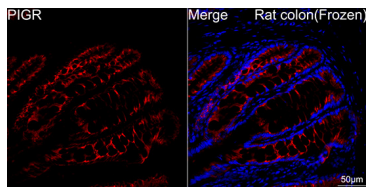


Confocal imaging of frozen sections of Mouse colon tissue using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

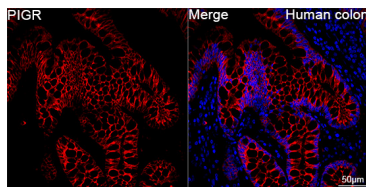


Confocal imaging of frozen sections of Mouse small intestine tissue using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

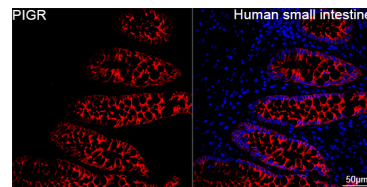
Validation Data



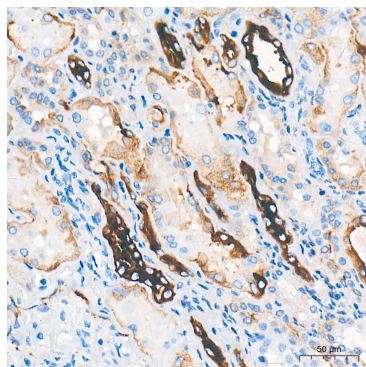
Confocal imaging of frozen sections of Rat colon tissue using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



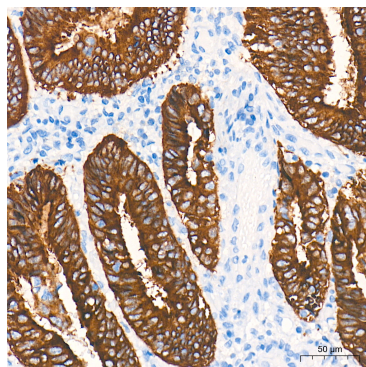
Confocal imaging of paraffin-embedded Human colon tissue using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



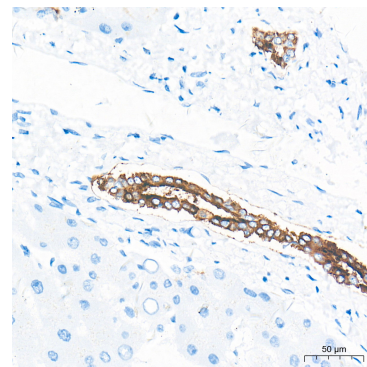
Confocal imaging of Human small intestine tissue using PIGR Rabbit PolymAb® (A29063PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



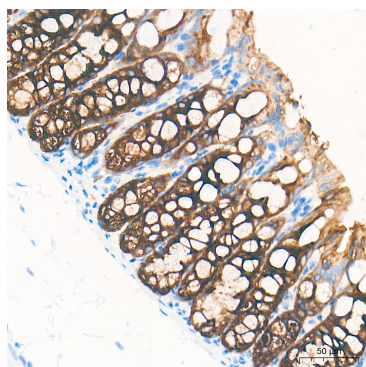
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



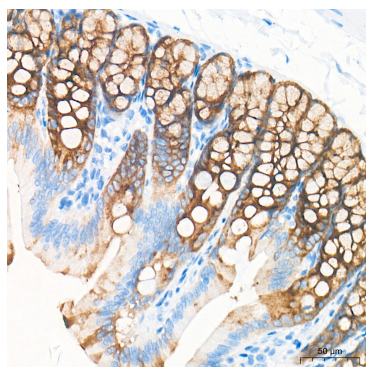
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using PIGR Rabbit PolymAb® (A29063PM) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA

Validation Data

Buffer (pH 9.0) prior to IHC staining.

Buffer (pH 9.0) prior to IHC staining.