

A15611

Leader in Biomolecular Solutions for Life Science



## GPR109A/HM74A/HCAR2 Rabbit pAb

Catalog No.: A15611

5 Publications

### Basic Information

#### Observed MW

42 kDa

#### Calculated MW

42 kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IHC-P,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### Background

Predicted to enable nicotinic acid receptor activity. Involved in neutrophil apoptotic process and positive regulation of neutrophil apoptotic process. Located in cell junction and plasma membrane.

### Recommended Dilutions

**WB** 1:400 - 1:5000

**IF/ICC** 1:50 - 1:200

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

338442

#### Swiss Prot

Q8TDS4

#### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

#### Synonyms

HCA2; HM74a; HM74b; PUMAG; NIACR1; Puma-g; GPR109A; GPR109A/HM74A/HCAR2

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

#### Storage

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

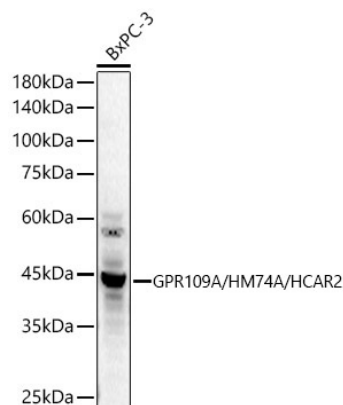
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

### Contact

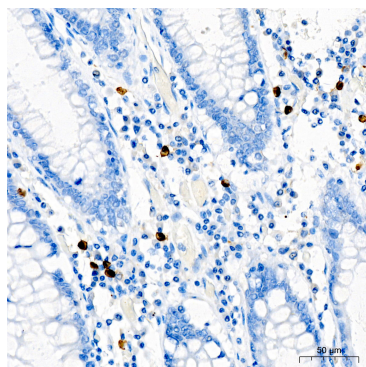


[www.abclonal.com](http://www.abclonal.com)

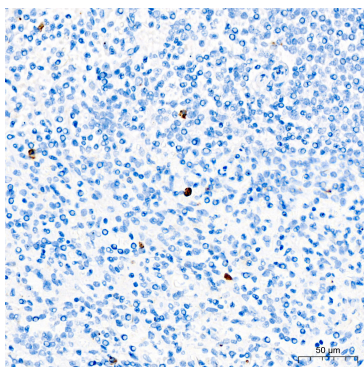
## Validation Data



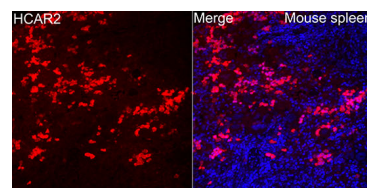
Western blot analysis of lysates from BxPC-3 cells using GPR109A/HM74A/HCAR2 Rabbit pAb (A15611) at 1:400 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 180s.



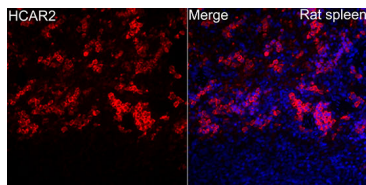
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using GPR109A/HM74A/HCAR2 Rabbit pAb (A15611) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using GPR109A/HM74A/HCAR2 Rabbit pAb (A15611) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of mouse spleen cells using GPR109A/HM74A/HCAR2 Rabbit pAb (A15611) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat spleen cells using GPR109A/HM74A/HCAR2 Rabbit pAb (A15611) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer

## Validation Data

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pH 6.0 before commencing with IF staining protocol. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.