

OXGR1 / GPR99 Rabbit mAb

Catalog No.: A20918 **Recombinant**

Basic Information

Observed MW

40kDa

Calculated MW

38kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2892

Background

This gene encodes a G protein-coupled receptor (GPCR) that belongs to the oxoglutarate receptor family within the GPCR superfamily. The encoded protein is activated by the citric acid intermediate, oxoglutarate, as well as several cysteinyl leukotrienes, including leukotrienes E4, C4 and D4, which are implicated in many inflammatory disorders. In mice, a knock-out of this gene leads to middle ear inflammation, changes in the mucosal epithelium, and an increase in fluid behind the eardrum, and is associated with hearing loss. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

27199

Swiss Prot

Q96P68

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human OXGR1 / GPR99 (Q96P68).

Synonyms

aKGR; GPR80; GPR99; P2Y15; P2RY15; OXGR1 / GPR99

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

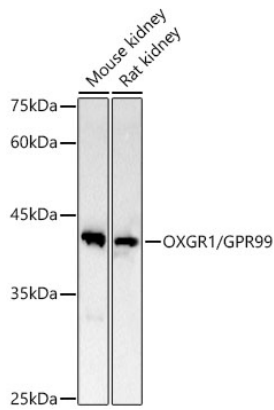
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using OXGR1/GPR99 antibody (A20918) at 1:1000 dilution.

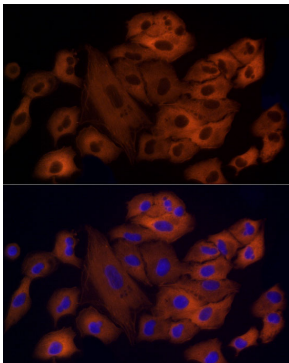
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Immunofluorescence analysis of A-549 cells using OXGR1 / GPR99 Rabbit mAb (A20918) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.