

For Research Use Only

OXGR1 Polyclonal antibody

Catalog Number:22069-1-AP



Basic Information

Catalog Number: 22069-1-AP	GenBank Accession Number: BC103881	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 250 ug/ml by Nanodrop;	GeneID (NCBI): 27199	Recommended Dilutions: WB: 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q96P68	
Isotype: IgG	Full Name: oxoglutarate (alpha-ketoglutarate) receptor 1	
Immunogen Catalog Number: AG17186	Calculated MW: 337 aa, 38 kDa	
	Observed MW: 38-42 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, Calu-1 cells, HeLa cells, NIH/3T3 cells
Species Specificity: human, mouse	

Background Information

2-oxoglutarate receptor 1(OXGR1) also known as GPR99, belongs to the G-protein coupled receptor family. OXGR1 is expressed in renal cortical connecting tubule and collecting duct type B intercalated cells. When stimulated by its ligand, OXGR1 mediates cellular calcium uptake, which acts as a signal to promote the chloride-bicarbonate exchanger SLC26A4. Dominant loss-of-function OXGR1 variants are associated with recurrent calcium oxalate NL/NC disease(PMID: 36571463).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

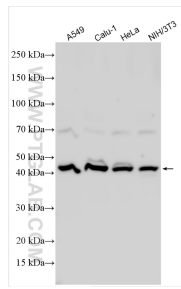
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22069-1-AP (OXGR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.