

For Research Use Only

OXGR1 Polyclonal antibody, PBS Only

Catalog Number:22069-1-PBS



Basic Information

Catalog Number: 22069-1-PBS	GenBank Accession Number: BC103881	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 27199	
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, Indirect ELISA

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

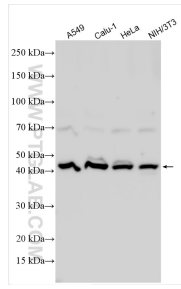
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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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. This data was developed using the same antibody clone with 22069-1-PBS in a different storage buffer formulation.