For Research Use Only

OCRL Polyclonal antibody

Catalog Number:17695-1-AP Featured Product 6 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
17695-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG11900

GenBank Accession Number:
BC094726

GeneID (NCBI):
4952

UNIPROT ID:
Q01968

Full Name:
oculocerebrorenal syndrome of Lowe

Calculated MW:
893 aa, 103 kDa

Observed MW:
105 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:100-1:400

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue, SH-SY5Y cells

IP : HeLa cells,

IHC : mouse kidney tissue,

Background Information

OCRL is also named as INPP5F, OCRL1 and belongs to the 5-phosphatase gene family and that Lowe syndrome represents an inborn error of inositol phosphate metabolism(PMID: 9430698).The protein product of the gene that when mutated is responsible for Lowe syndrome, or oculocerebrorenal syndrome (OCRL), is an inositol polyphosphate 5-phosphatase.It may function in lysosomal membrane trafficking by regulating the specific pool of phosphatidylinositol 4,5-bisphosphate that is associated with lysosomes.It has 2 isoforms produced by alternative splicing.Defects in OCRL are the cause of Lowe oculocerebrorenal syndrome (OCRL) and Dent disease type 2 (DD2).This antibody is specific to OCRL.

Notable Publications

Author	Pubmed ID	Journal	Application
Nana Sakakibara	34586410	Nephrol Dial Transplant	WB
Yu Zhang	34488756	BMC Med Genomics	IHC
Hequn Liu	32393163	J Neurodev Disord	WB

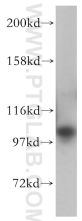
Storage

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

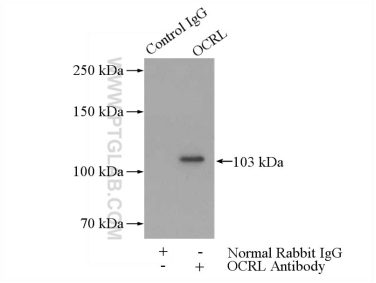
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

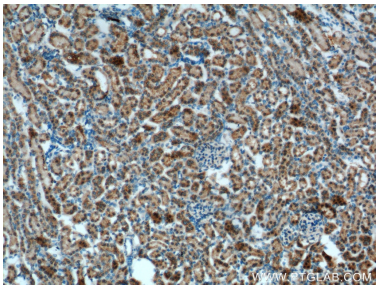
Selected Validation Data



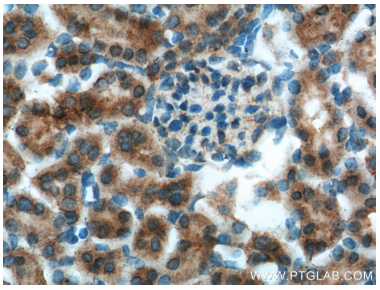
HeLa cells were subjected to SDS PAGE followed by western blot with 17695-1-AP (OCRL antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-OCRL (IP:17695-1-AP, 4ug; Detection:17695-1-AP 1:300) with HeLa cells lysate 1080ug.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17695-1-AP (OCRL Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17695-1-AP (OCRL Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).