

OCRL Polyclonal ANTIBODY

Catalog Number: 17695-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number:
17695-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG11900

GenBank Accession Number:
BC094726

GeneID (NCBI):
4952

Full Name:
oculocerebrorenal syndrome of Lowe

Calculated MW:
893aa, 103 kDa

Observed MW:
105 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:100-1:400

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human,mouse,rat

Cited Species:

human

Note: 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 (PMD: 9430698). The protein product of the gene that when mutated is responsible for Lowe syndrome, or oculocerebrorenal syndrome (OCRL), is an inositol poly phosphate 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
Jesse Barnes	30147856	Mol Autism	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

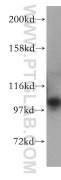
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

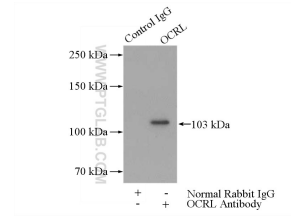
E: proteintech@ptglab.com
W: ptglab.com

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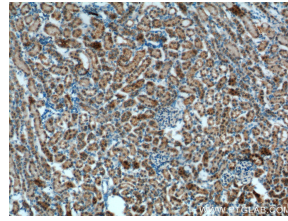
Selected Validation Data



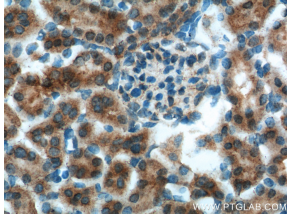
HeLa cells were subjected to SDS PAGE followed by western blot with 17695-1-AP(OCRL antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



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



Immunohistochemistry of paraffin-embedded mouse kidney tissue slide using 17695-1-AP(OCRL Antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry of paraffin-embedded mouse kidney tissue slide using 17695-1-AP(OCRL Antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer(pH9).