

For Research Use Only

C1orf54 Polyclonal antibody, PBS Only

Catalog Number: 30247-1-PBS



Basic Information

Catalog Number:

30247-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32876

GenBank Accession Number:

BC017761

GeneID (NCBI):

79630

UNIPROT ID:

Q8WWF1

Full Name:

chromosome 1 open reading frame 54

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse

Background Information

C1orf54 is a newly identified protein encoded by an open reading frame on chromosome 1. C1orf54 is highly expressed in healthy mouse kidneys and is only expressed in tubular epithelial cells (TECs), not in glomeruli (PMID: 29999589). C1orf54 promotes renal repair and TEC proliferation through PI3K/AKT signalling, which alleviates kidney damage after ischaemia-reperfusion injury (IRI) (PMID: 29999589).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

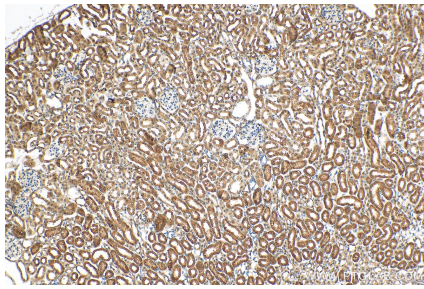
For technical support and original validation data for this product please contact:

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

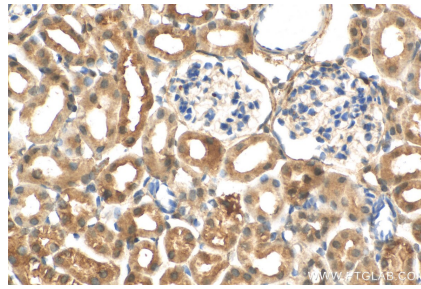
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

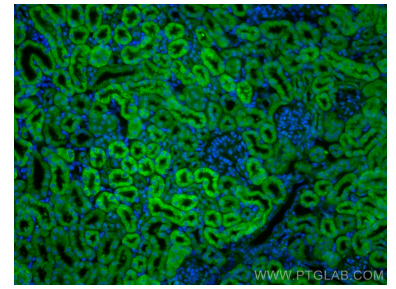
Selected Validation Data



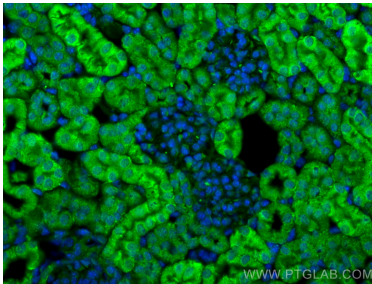
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30247-1-AP (C1orf54 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30247-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30247-1-AP (C1orf54 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30247-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using C1orf54 antibody (30247-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30247-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using C1orf54 antibody (30247-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30247-1-PBS in a different storage buffer formulation.