

For Research Use Only

# C1orf54 Polyclonal antibody

Catalog Number: 30247-1-AP



## Basic Information

<b>Catalog Number:</b> 30247-1-AP	<b>GenBank Accession Number:</b> BC017761	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79630	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WWF1	IF-P 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 1 open reading frame 54	
<b>Immunogen Catalog Number:</b> AG32876		

## Applications

<b>Tested Applications:</b> IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse	IHC : mouse kidney tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IF-P : mouse kidney tissue,

## 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

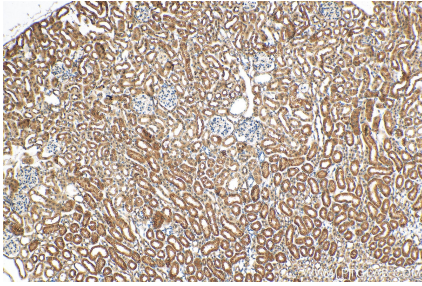
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

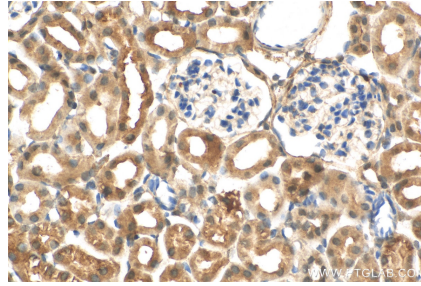
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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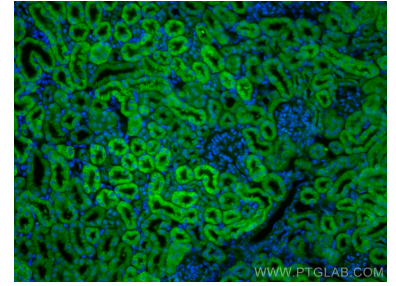
## Selected Validation Data



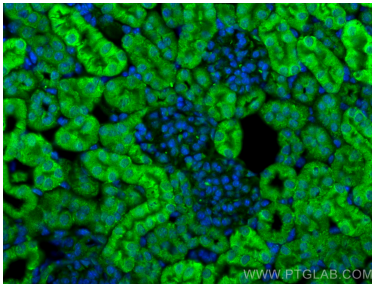
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30247-1-AP (C1orf54 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using C1orf54 antibody (30247-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using C1orf54 antibody (30247-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).