

For Research Use Only

C1orf54 Polyclonal antibody

Catalog Number: 30247-1-AP



Basic Information

Catalog Number: 30247-1-AP	GenBank Accession Number: BC017761	Purification Method: Antigen affinity purification
Size: 750 µg/ml	GeneID (NCBI): 79630	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8WWF1	
Isotype: IgG	Full Name: chromosome 1 open reading frame 54	
Immunogen Catalog Number: AG32876		

Applications

Tested Applications: IF-P, IHC, ELISA	Positive Controls: IHC : mouse kidney tissue, IF : mouse kidney tissue,
Species Specificity: 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

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

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

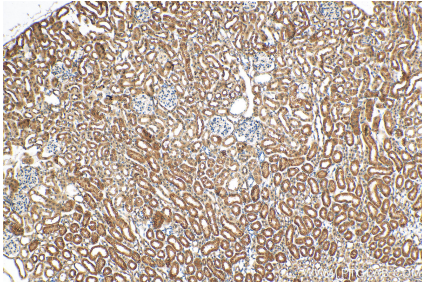
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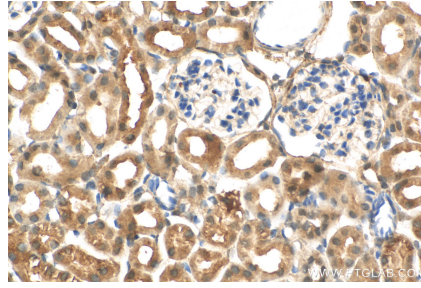
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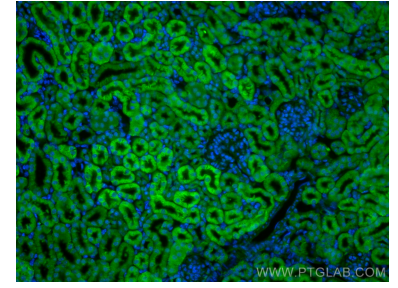
Selected Validation Data



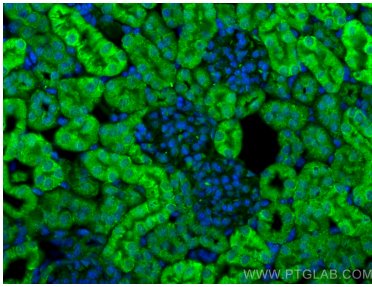
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30247-1-AP (C1orf54 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L).