

For Research Use Only

# AP3S1 Polyclonal antibody

Catalog Number: 32945-1-AP



## Basic Information

<b>Catalog Number:</b> 32945-1-AP	<b>GenBank Accession Number:</b> BC000804	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1176	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000 IF-P: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92572	
<b>Isotype:</b> IgG	<b>Full Name:</b> adaptor-related protein complex 3, sigma 1 subunit	
<b>Immunogen Catalog Number:</b> AG37523	<b>Calculated MW:</b> 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells
<b>Species Specificity:</b> human	<b>IF-P :</b> mouse kidney tissue,

## Background Information

AP-3 complex subunit sigma-1 (AP3S1) is a component of the heterotetrameric adaptor protein complex-3 (AP-3), which plays a central role in intracellular protein trafficking (PMID: 34565296). AP3S1 is also a potential pan-cancer oncogene and plays an essential role in tumorigenesis and cancer immunity. Elevated expression of AP3S1 indicates an immunosuppressive microenvironment and can be used as a potential prognostic biomarker and a target for immunotherapy (PMID: 35874816; 38609993).

## 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

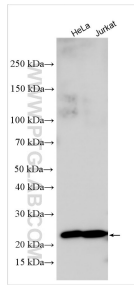
For technical support and original validation data for this product please contact:

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

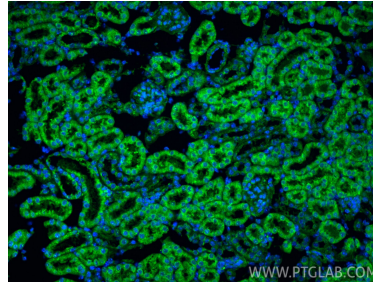
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32945-1-AP (AP3S1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using AP3S1 antibody (32945-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).