

For Research Use Only

# AP3S2 Polyclonal antibody

Catalog Number: 15319-1-AP



## Basic Information

<b>Catalog Number:</b> 15319-1-AP	<b>GenBank Accession Number:</b> BC002785	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10239	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P59780	
<b>Isotype:</b> IgG	<b>Full Name:</b> adaptor-related protein complex 3, sigma 2 subunit	
<b>Immunogen Catalog Number:</b> AG7565	<b>Calculated MW:</b> 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB :** mouse liver tissue, human testis tissue, mouse ovary tissue, mouse testis tissue, rat liver tissue

**IHC :** human colon cancer tissue, human ovary tumor tissue

## Background Information

AP3S2 is a 22-kDa protein that belongs to the adaptor complexes small subunit family. AP3S2 is a subunit of the AP-3 complex which is associated with the Golgi region as well as more peripheral structures. Adaptor protein (AP) complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP-3 complex is composed of two large adaptins (AP3D1 and AP3B1 or AP3B2), a medium adaptin (AP3M1 or AP3M2) and a small adaptin (AP3S1 or AP3S2).

## 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

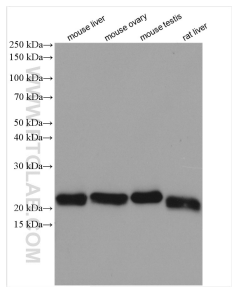
For technical support and original validation data for this product please contact:

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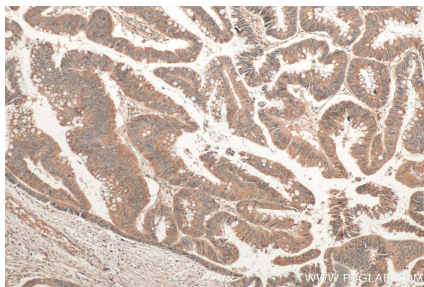
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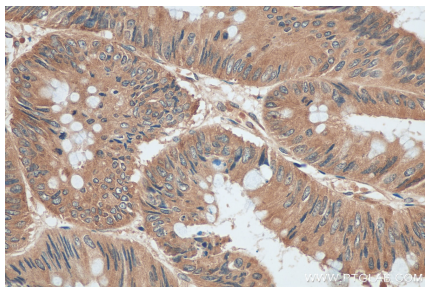
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15319-1-AP (AP3S2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15319-1-AP (AP3S2 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 human colon cancer tissue slide using 15319-1-AP (AP3S2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).