

# AP2A1 Polyclonal antibody

Catalog Number: 30030-1-AP

## Basic Information

<b>Catalog Number:</b> 30030-1-AP	<b>GenBank Accession Number:</b> BC014214	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 160	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>Full Name:</b> adaptor-related protein complex 2, alpha 1 subunit	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 977 aa, 108 kDa	
<b>Immunogen Catalog Number:</b> AG32232	<b>Observed MW:</b> 108 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HEK-293 cells, MCF-7 cells, SKOV-3 cells, SH-SY5Y cells, mouse kidney tissue, rat kidney tissue, mouse kidney cells, rat kidney cells
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

AP2A1 encodes adaptor protein complex 2 (AP-2) subunit alpha-1, which is a 100 kDa coated vesicle protein. Adaptor protein (AP) complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP complexes are involved in the formation of clathrin-coated vesicles (CCVs) by recruiting the scaffold protein, clathrin. AP complexes also play a pivotal role in the cargo selection by recognizing the sorting signals within the cytoplasmic tail of integral membrane proteins. AP-2 is involved in clathrin-dependent endocytosis.

## Storage

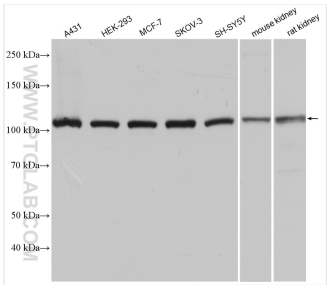
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

For technical support and original validation data for this product please contact:  
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30030-1-AP (AP2A1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.