

For Research Use Only

# APBA1 Polyclonal antibody

Catalog Number: 55089-1-AP



## Basic Information

### Catalog Number:

55089-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_001163

### GeneID (NCBI):

320

### UNIPROT ID:

Q02410

### Full Name:

amyloid beta (A4) precursor protein-binding, family A, member 1

### Calculated MW:

93 kDa

### Observed MW:

138-140 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

## 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 : Neuro-2a cells, SH-SY5Y cells, SK-N-SH cells, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

## Background Information

APBA1, also named MINT1 and X11A, is a brain-specific multi-modular protein that interacts with the Alzheimer's disease amyloid precursor protein (APP)(PMID: 22136355). APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. APBA1 is expressed in the brain and was found to interact with Munc18.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

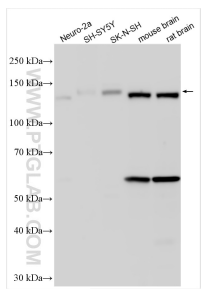
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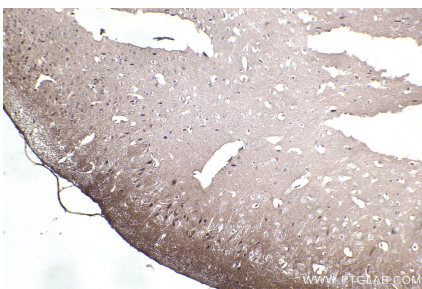
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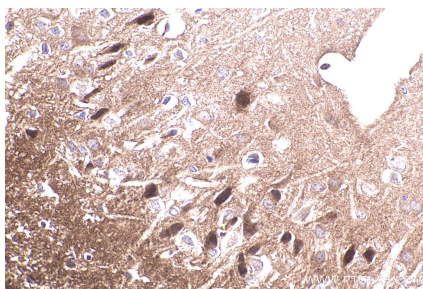
# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55089-1-AP (APBA1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55089-1-AP (APBA1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55089-1-AP (APBA1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).