

## Rabbit anti-Human APBA2 Polyclonal Antibody | anti-APBA2 antibody

APBA2 Antibody

|                              |                       |                            |                                                                                      |
|------------------------------|-----------------------|----------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA39241</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------|--------------------------------------------------------------------------------------|

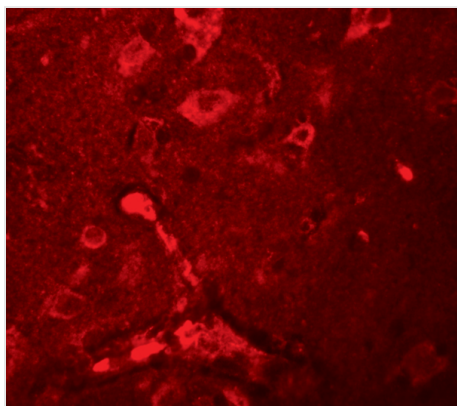
### PRODUCT SYNONYMS

APBA2; Polyclonal Antibody; APBA2 Antibody; X11L; MINT2; LIN-10; HsT16821; X11-BETA; D15S1518E; MGC:14091; Amyloid beta A4 precursor protein-binding family A member 2; Adapter protein X11beta; Mint-2; amyloid beta (A4) precursor protein-binding; family A; member 2; anti-APBA2 antibody

### PRODUCT SPECIFICATIONS

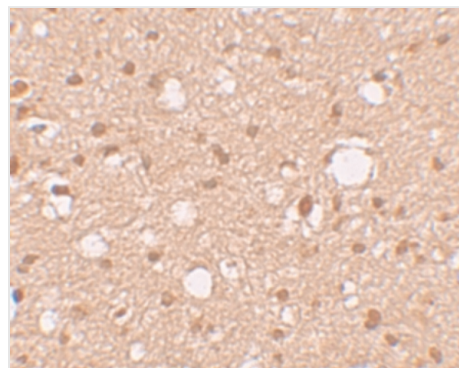
|                                                 |                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                      | Human                                                                                                                                                                                                                                                       |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                         | IgG                                                                                                                                                                                                                                                         |
| Purity/Purification                             | APBA2 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                     | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                   | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                 | 749                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-APBA2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                               |
| Conjugate                                       | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                       | APBA2 antibody was raised against an 18 amino acid synthetic peptide near the center of human APBA2.                                                                                                                                                        |
| Buffer                                          | APBA2 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                         | APBA2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



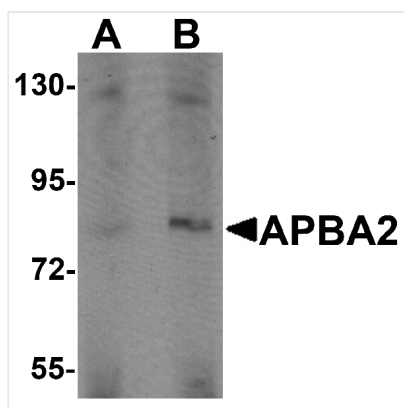
**IF (Immunofluorescence)**

Immunofluorescence of APBA2 in human brain tissue with APBA2 antibody at 20 µg/mL.



**IHC (Immunohistochemistry)**

Immunohistochemistry of APBA2 in human brain tissue with APBA2 antibody at 10 µg/mL.



#### WB (Western Blot)

Western blot analysis of APBA2 in human brain tissue lysate with APBA2 antibody at (A) 1 and (B) 2 &#956;g/mL.

## ADDITIONAL INFORMATION

### Related Product Information for anti-APBA2 antibody

**APBA2 Antibody:** APBA2, a member of the X11 protein family, is a phosphotyrosine-binding domain protein and is a neuronal adapter protein that interacts with amyloid precursor protein (APP) and neuritic plaques in the brains of patients with Alzheimer's disease. It stabilizes APP and inhibits production of proteolytic APP fragments including the Abeta peptide that is deposited in the brains of Alzheimer's disease patients. APBA2 is believed to be involved in signal transduction processes and is also regarded as a putative vesicular trafficking protein in the brain that can form a complex with the potential to couple synaptic vesicle exocytosis to neuronal cell adhesion. Recent reports suggest that it may also be a candidate gene for autism.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 22035550                                                                                                                                                                                                                                                                                                                             |
| NCBI GeneID                      | 321                                                                                                                                                                                                                                                                                                                                  |
| NCBI Accession #                 | NP_005494                                                                                                                                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_005503.3                                                                                                                                                                                                                                                                                                                          |
| UniProt Accession #              | Q99767; O60571; Q5XKC0; E9PGI4                                                                                                                                                                                                                                                                                                       |
| Molecular Weight                 | 81,129 Da                                                                                                                                                                                                                                                                                                                            |
| NCBI Official Full Name          | amyloid beta A4 protein-binding family A member 2 isoform a                                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | amyloid beta (A4) precursor protein-binding, family A, member 2                                                                                                                                                                                                                                                                      |
| NCBI Official Symbol             | APBA2                                                                                                                                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | X11L; MINT2; LIN-10; HsT16821; X11-BETA; D15S1518E; MGC:14091                                                                                                                                                                                                                                                                        |
| NCBI Protein Information         | amyloid beta A4 precursor protein-binding family A member 2; mint-2; X11-like protein; adapter protein X11beta; neuron-specific X11L protein; neuronal munc18-1-interacting protein 2; phosphotyrosine-binding/-interacting domain (PTB)-bearing protein; amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like) |
| UniProt Protein Name             | Amyloid beta A4 precursor protein-binding family A member 2                                                                                                                                                                                                                                                                          |
| UniProt Gene Name                | APBA2                                                                                                                                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | MINT2; X11L; Mint-2                                                                                                                                                                                                                                                                                                                  |
| UniProt Entry Name               | APBA2_HUMAN                                                                                                                                                                                                                                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

