



## Rabbit Anti-APBA2 antibody

SL11651R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | APBA2   |
| <b>Chinese Name:</b>          | β淀粉样前体蛋白Binding protein2抗体(X11β)  |
| <b>Alias:</b>                 | Adapter protein X11beta; Amyloid beta A4 precursor protein-binding family A member 2; APBA2; APBA2_HUMAN; D15S1518E; HsT16821; LIN 10; Mint 2; Mint-2; Neuron-specific X11L protein; Neuronal Munc18-1-interacting protein 2; Phosphotyrosine binding/interacting domain (PTB) bearing protein; X11 beta; X11l.                             |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Chicken,Dog,Horse,Rabbit,Sheep,   |
| <b>Applications:</b>          | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 82kDa   |
| <b>Cellular localization:</b> | The cell membrane   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human APBA2:351-450/749   |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.               |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | The Beta-Amyloid precursor protein (Beta-APP) is a major constituent of the amyloid deposits in patients with Alzheimer's disease. The Beta-Amyloid precursor is known to interact with several proteins, including X11 and the G heterotrimeric protein APP-BP1. The neuronal, transmembrane protein X11 is known to bind to the β-Amyloid |

precursor protein via a phosphotyrosine binding (PTB) domain, reducing the secretion of cellular Beta-APP and slowing Beta-APP processing pathways. X11 binds specifically to the YENPTY motif, which is involved in the internalization of Beta-APP. Multiple splice variants of X11 have been identified, including X11 Alpha (also designated Mint 1), X11 Beta (Mint 2) and X11 Gamma (Mint 3).

**Function:**

Putative function in synaptic vesicle exocytosis by binding to STXBP1, an essential component of the synaptic vesicle exocytotic machinery. May modulate processing of the beta-amyloid precursor protein (APP) and hence formation of beta-APP.

**Subunit:**

Part of a multimeric complex containing STXBP1 and syntaxin-1. Binds to the cytoplasmic domain of amyloid protein beta, and to the nuclear factor NF-kappa-B/p65 via its PDZ domain. Interacts with the N-terminal domain of APBA2BP.

**Tissue Specificity:**

Brain.

**Similarity:**

Contains 2 PDZ (DHR) domains.  
Contains 1 PID domain.

**SWISS:**

Q99767

**Gene ID:**

321

**Database links:**

[Entrez Gene: 321](#)Human

[Entrez Gene: 11784](#)Mouse

[Omim: 602712](#)Human

[SwissProt: Q99767](#)Human

[SwissProt: P98084](#)Mouse

[Unigene: 618112](#)Human

[Unigene: 721380](#)Human

[Unigene: 4657](#)Mouse

**Important Note:**

|  |   |
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|  | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
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