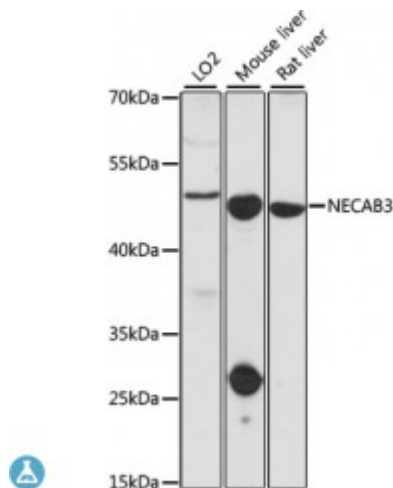


## Anti-NECAB3 Antibody



### Description

The protein encoded by this gene interacts with the amino-terminal domain of the neuron-specific X11-like protein (X11L), inhibits the association of X11L with amyloid precursor protein through a non-competitive mechanism, and abolishes the suppression of beta-amyloid production by X11L. This protein, together with X11L, may play an important role in the regulatory system of amyloid precursor protein metabolism and beta-amyloid generation. The protein is phosphorylated by NIMA-related expressed kinase 2, and localizes to the Golgi apparatus. Multiple transcript variants encoding different isoforms have been found for this gene.

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ117695                                                                                                          |
| <b>Host</b>               | Rabbit                                                                                                             |
| <b>Reactivity</b>         | Human, Mouse, Rat                                                                                                  |
| <b>Applications</b>       | WB                                                                                                                 |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 1-362 of human NECAB3 (NP_112508.3). |
| <b>Gene ID</b>            | <a href="#">63941</a>                                                                                              |
| <b>Gene Symbol</b>        | <a href="#">NECAB3</a>                                                                                             |
| <b>Dilution range</b>     | WB 1:200 - 1:2000                                                                                                  |
| <b>Tissue Specificity</b> | Strongly expressed in heart and skeletal muscle, moderately in brain and pancreas                                  |
| <b>Purification</b>       | Affinity purification                                                                                              |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                       |

|                                         |                                                                                                                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Name</b>                     | N-terminal EF-hand calcium-binding protein 3 Amyloid-beta A4 protein-binding family A member 2-binding protein Nek2-interacting protein 1 Neuronal calcium-binding protein 3 X11L-binding protein 51             |
| <b>Molecular Weight</b>                 | 44.35 kDa                                                                                                                                                                                                        |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                       |
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                     |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                              |
| <b>Formulation</b>                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                |
| <b>Storage Instruction</b>              | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                                                       |
| <b>Database Links</b>                   | <a href="#">HGNC:15851</a> <a href="#">OMIM:612478</a>                                                                                                                                                           |
| <b>Alternative Names</b>                | N-terminal EF-hand calcium-binding protein 3 Amyloid-beta A4 protein-binding family A member 2-binding protein Nek2-interacting protein 1 Neuronal calcium-binding protein 3 X11L-binding protein 51             |
| <b>Function</b>                         | Inhibits the interaction of APBA2 with amyloid-beta precursor protein (APP), and hence allows formation of amyloid-beta, May enhance the activity of HIF1A and thus promote glycolysis under normoxic conditions |
| <b>Cellular Localization</b>            | Golgi apparatus                                                                                                                                                                                                  |
| <b>Post-translational Modifications</b> | Phosphorylated by NEK2,                                                                                                                                                                                          |

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