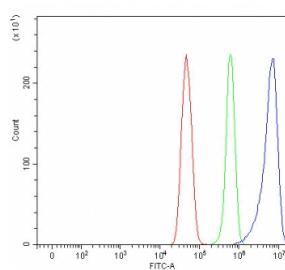


NECAB3 Antibody / N-terminal EF-hand calcium-binding protein 3 (RQ8230)

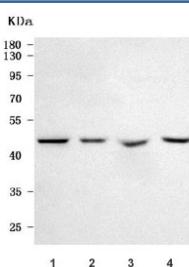
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ8230 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | Q96P71 |
| Applications | Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml |
| Limitations | This NECAB3 antibody is available for research use only. |



Flow cytometry testing of fixed and permeabilized human U-251 cells with NECAB3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NECAB3 antibody.



Western blot testing of 1) human HeLa, 2) human 293T, 3) rat brain and 4) mouse brain tissue lysate with NECAB3 antibody. Predicted molecular weight ~44 kDa.

Description

N-terminal EF-hand calcium-binding protein 3 is a protein that in humans is encoded by the NECAB3 gene. 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.

Application Notes

Optimal dilution of the NECAB3 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids D97-D339) was used as the immunogen for the NECAB3 antibody.

Storage

After reconstitution, the NECAB3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.