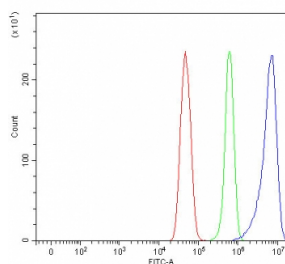


## NECAB3 Antibody / N-terminal EF-hand calcium-binding protein 3 (RQ8230)

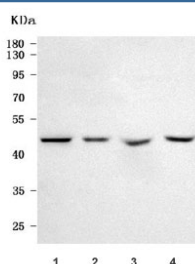
Catalog No.	Formulation	Size
RQ8230	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q96P71
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.