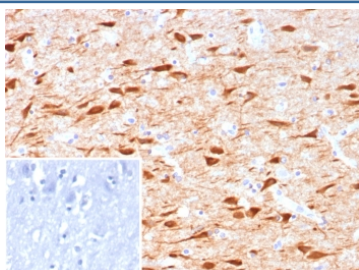


## NECAB1 Antibody / N-terminal EF-hand calcium binding protein 1 [clone NECAB1/7677] (V5254)

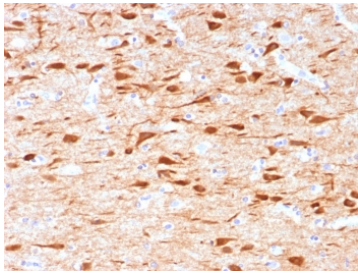
Catalog No.	Formulation	Size
V5254-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5254-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5254SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

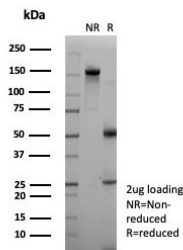
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG
<b>Clone Name</b>	NECAB1/7677
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q8N987
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
<b>Limitations</b>	This NECAB1 antibody is available for research use only.



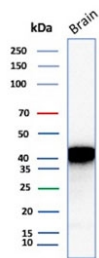
IHC staining of FFPE human brain tissue with NECAB1 antibody (clone NECAB1/7677). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human brain tissue with NECAB1 antibody (clone NECAB1/7677).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free NECAB1 antibody (clone NECAB1/7677) as confirmation of integrity and purity.



Western blot testing of human brain tissue lysate with NECAB1 antibody. Predicted molecular weight ~41 kDa.

## Description

Members of the EF-CBP (N-terminal EF-hand calcium binding protein)/NECAB (neuronal calcium-binding protein) family participate in neuronal calcium signaling. EF-CBP1 (N-terminal EF-hand calcium binding protein 1), also known as STIP-1 or neuronal calcium-binding protein 1 (NECAB1), is a 351 amino acid cytoplasmic protein that contains one antibiotic biosynthesis monooxygenase (ABM) domain and 2 EF-hand domains. Expressed in brain, EF-CBP1 interacts with copine 6 and Syntaxin, and exists as two alternatively spliced isoforms. The gene encoding EF-CBP1 maps to human chromosome 8, which consists of nearly 146 million base pairs, encodes over 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

## Application Notes

Optimal dilution of the NECAB1 antibody should be determined by the researcher.

## Immunogen

Recombinant human NECAB1 protein was used as the immunogen for the NECAB1 antibody.

## Storage

Aliquot the NECAB1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

