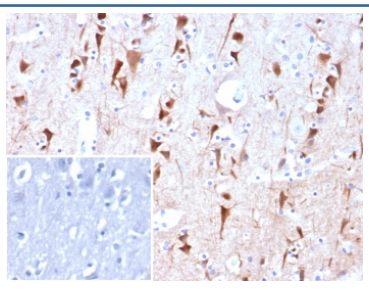
NECAB1 Antibody / N-terminal EF-hand calcium binding protein 1 [clone NECAB1/7680] (V5255)

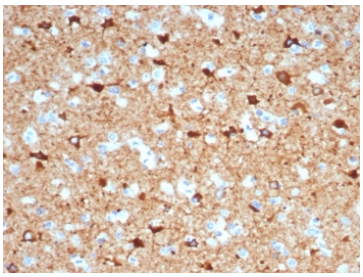
Catalog No.	Formulation	Size
V5255-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5255-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5255SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

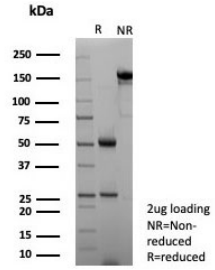
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	NECAB1/7680
Purity	Protein A/G affinity
UniProt	Q8N987
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This NECAB1 antibody is available for research use only.



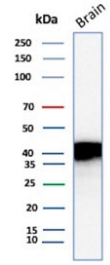
IHC staining of FFPE human brain tissue with NECAB1 antibody (clone NECAB1/7680). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human brain tissue with NECAB1 antibody (clone NECAB1/7680). 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 NECAB1/7680) 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 -20oC or colder. Avoid repeated freeze-thaw cycles.

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