NECAB1 / N-terminal EF-hand calcium binding protein 1 Antibody

Mouse Monoclonal Antibody [Clone NECAB1/7676]

Catalog No	Format	Size
64168-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
64168-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
64168-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

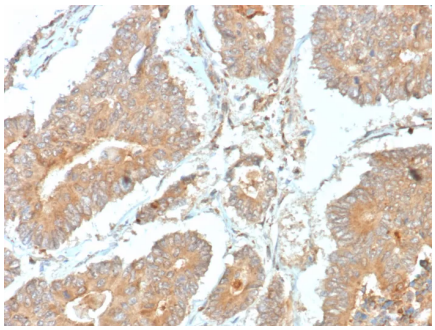
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

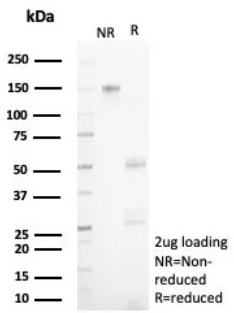
Clone	NECAB1/7676
Gene Name	NECAB1
Immunogen	Recombinant human NECAB1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	41kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human cerebral cortex.

**Optimal dilution for a specific application should be determined.*

Product Images for NECAB1 / N-terminal EF-hand calcium binding protein 1 Antibody



Formalin-fixed, paraffin-embedded human prostate stained with NECAB1 Mouse Monoclonal Antibody (NECAB1/7676). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified NECAB1 Mouse Monoclonal Antibody (NECAB1/7676). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Nuclear Marker

Limitations and Warranty