

Anti-NECAB1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 41 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-NECAB1 Polyclonal Antibody, Unconjugated (TMAB-09329) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human NECAB1/EF-CBP1
Antigen Species:	Human
Gene ID:	64168
Uniprot ID:	Q8N987

Research Background

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 two 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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