

bs-11978R**[Primary Antibody]****NECAB1 Rabbit pAb****Bioss**
ANTIBODIES

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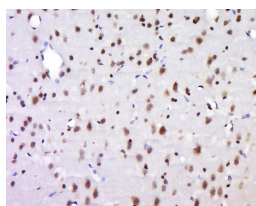
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Dog, Horse) Predicted MW.: 41 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 64168	SWISS: Q8N987	
Target: NECAB1		
Immunogen: KLH conjugated synthetic peptide derived from human NECAB1/EF-CBP1: 51-150/351.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Tissue/cell: Rat brain tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (
0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-NECAB1 Polyclonal Antibody,
Unconjugated(bs-11978R) 1:500, overnight at
4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining