CD56(NCAM) Antibody

Catalog No: #21468

Package Size: #21468-1 50ul #21468-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

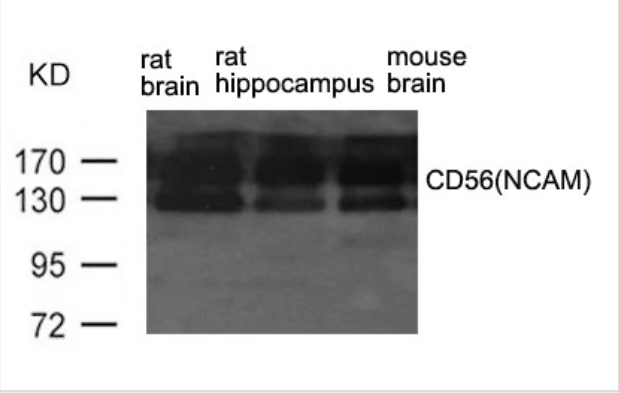
Product Name	CD56(NCAM) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total NCAM protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.850~854(Q-T-K-E-N)derived from Human CD56(NCAM).
Conjugates	Unconjugated
Target Name	CD56(NCAM)
Other Names	MSK39; NCAM1;
Accession No.	Swiss-Prot: P13591NCBI Protein: NP_000606.3
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 120-220kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from rat brain, rat hippocampus and mouse brain using CD56(NCAM) Antibody #21468.

Background

NCAM (neural cell adhesion molecule, CD56) is an adhesion glycoprotein with five extracellular immunoglobulin-like domains followed by two fibronectin type III repeats. Structural diversity is introduced by alternative splicing resulting in different cytoplasmic domains (1). NCAM mediates neuronal attachment, neurite extension and cell-cell interactions through homo and heterophilic interactions. PSA (polysialic acid) post-translationally modifies NCAM and increases the metastatic potential of small cell lung carcinoma, Wilms+ tumor, neuroblastoma and rhabdomyosarcoma (2). CD56 and CD16 are commonly used to identify NK cells although some cells with the T cell markers CD3 and CD4 also express CD56 (3).

Cunningham, B. A. et al. (1987) Science 236, 799-806.
Seidenfaden, R. et al. (2003) Mol. Cell. Biol. 23, 5908-5918.
Robertson, M.J. and Ritz, J. (1990) Blood 76, 2421-2438.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.