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35-1699: Polyclonal Antibody to CD56(NCAM)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Rat,Mouse,Human
Gene :	NCAM1
Gene ID :	4684
Uniprot ID :	P13591
Format :	Purified
Alternative Name :	MSK39, NCAM1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.850~854(Q-T-K-E-N)derived from Human CD56(NCAM).

Description

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).

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 120-220kd, Western blotting: 1:500~1:1000

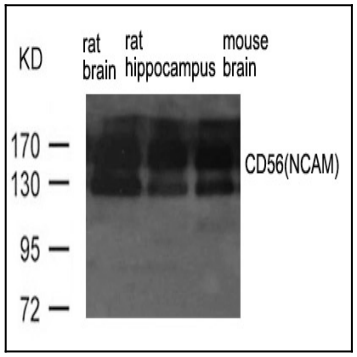

Figure 1: Western blot analysis of extract from rat brain, rat hippocampus and mouse brain using CD56(NCAM) Antibody 35-1699 .