

Product datasheet for **UM800086CF**

CD56 (NCAM1) Mouse Monoclonal Antibody [Clone ID: UMAB194]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB194
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~400
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94.4 kDa
Gene Name:	neural cell adhesion molecule 1
Database Link:	NP_851996 Entrez Gene 17967 Mouse Entrez Gene 24586 Rat Entrez Gene 4684 Human P13591



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Background:

This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]

Synonyms:

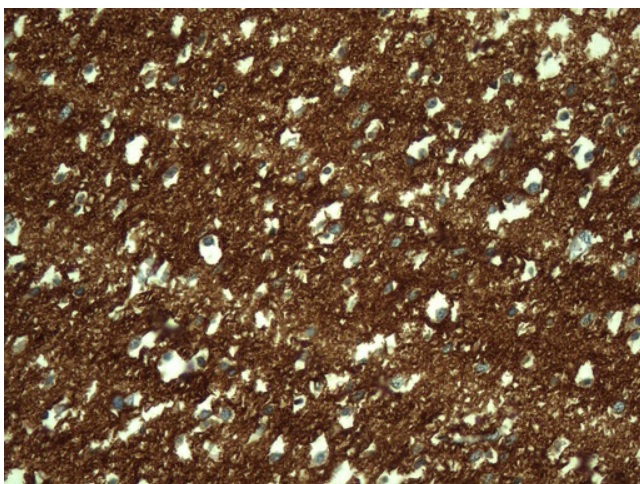
CD56; MSK39; NCAM

Protein Families:

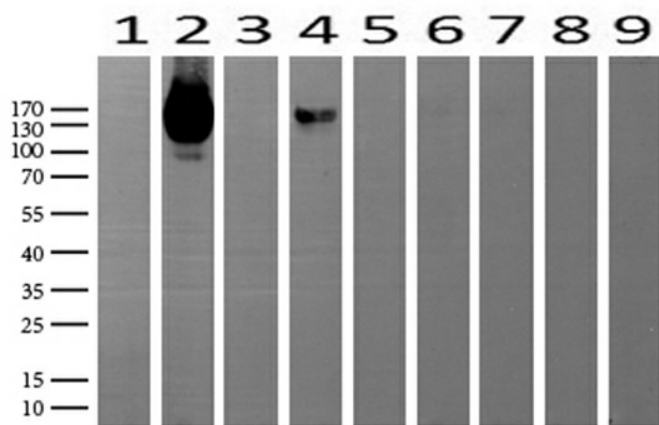
Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways:

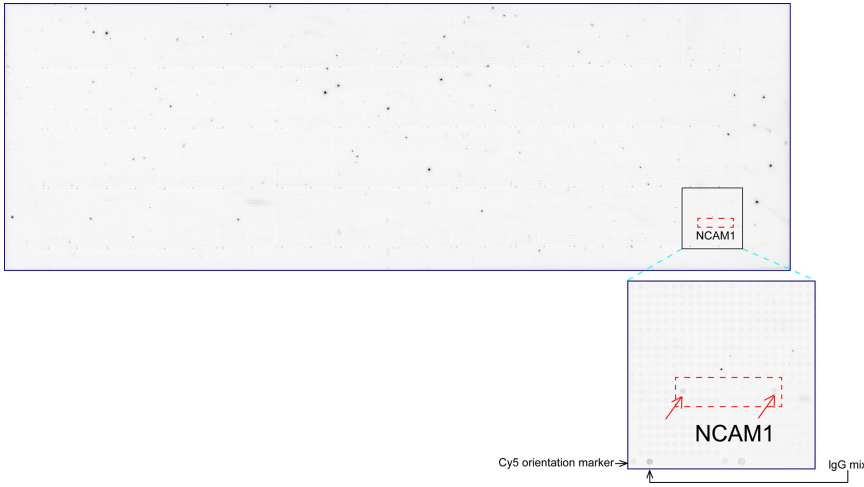
Cell adhesion molecules (CAMs), Prion diseases

Product images:


Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 110°C for 10min, [UM800086]) (1:400)



Western blot analysis of extracts (15ug) from 9 Human tissue by using anti-NCAM1 monoclonal antibody (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: colon;;9:Spleen). (1:500) Dilution: 1:500



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NCAM1 mouse monoclonal antibody ([UM800086]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).