OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for UM500067

CD56 (NCAM1) Mouse Monoclonal Antibody [Clone ID: UMAB83]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB83
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100
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 cells.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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 MouseEntrez Gene 24586 RatEntrez Gene 4684 Human P13591
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]

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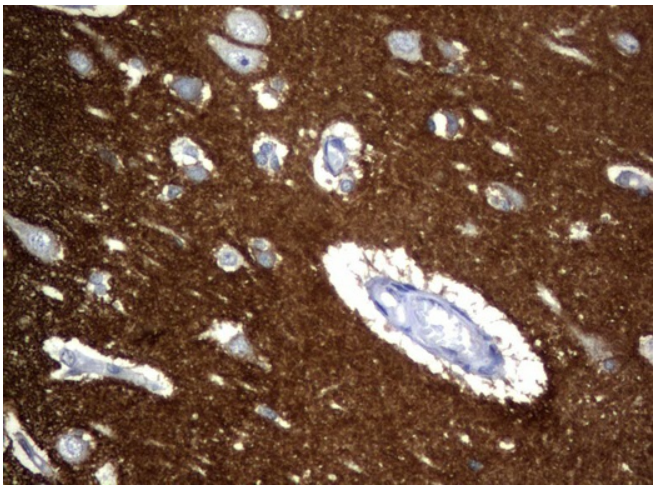
Synonyms: CD56; MSK39; NCAM

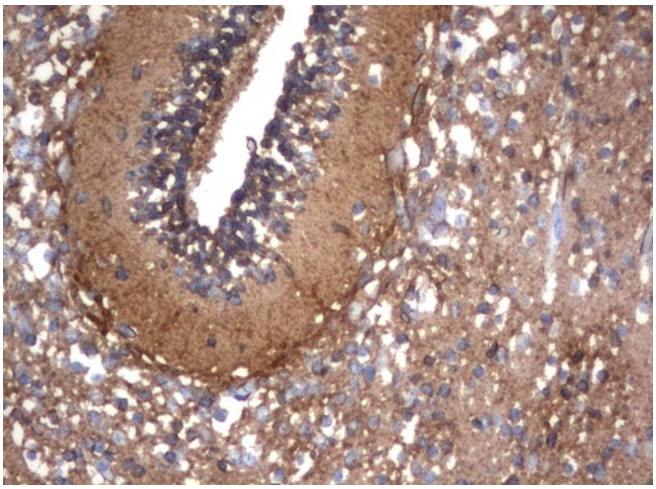
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Prion diseases

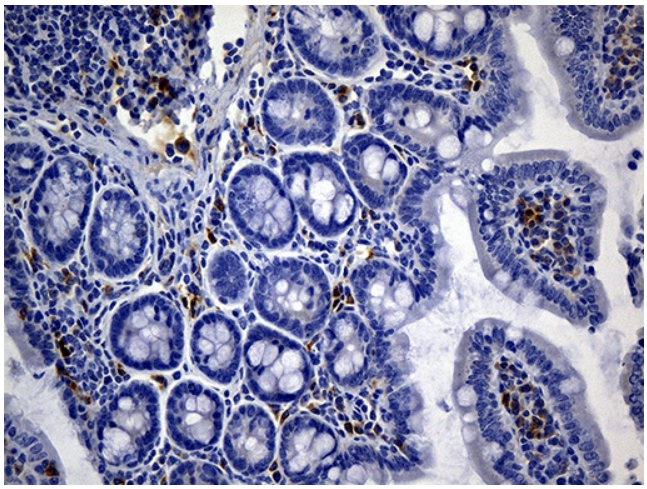
Product images:



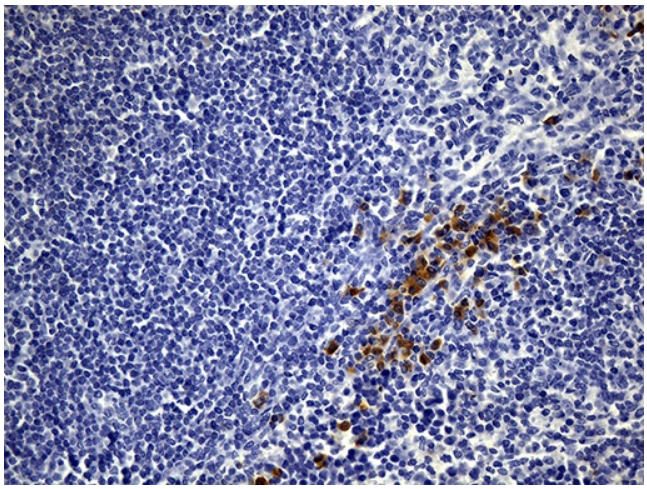
Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-NCAM1 mouse monoclonal antibody. (UM500067; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



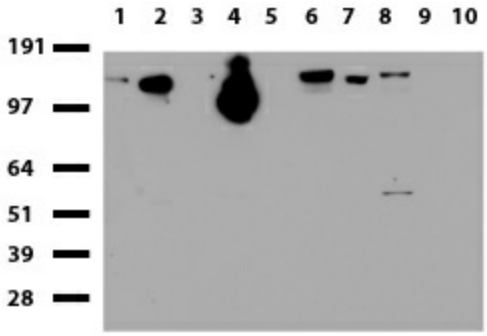
Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-NCAM1 mouse monoclonal antibody. (UM500067; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



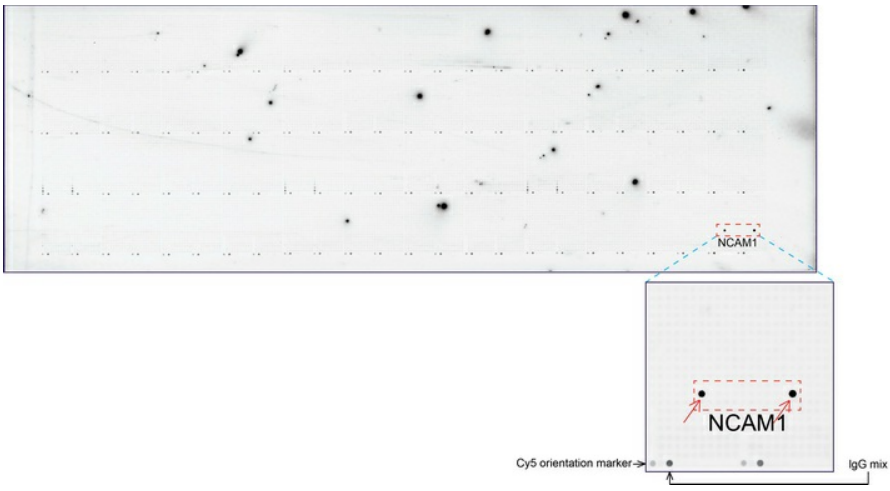
Immunohistochemical staining of paraffin-embedded mouse ascending colon tissue using anti-CD56 (NCAM1) clone UMAB83 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, UM500067) (1:300).



Immunohistochemical staining of paraffin-embedded mouse spleen tissue using anti-NCAM1 clone UMAB83 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, UM500067) (1:300)



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid 9: Colon, 10: Spleen). Diluation: 1:500.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NCAM1 mouse monoclonal antibody (UM500067). 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.