

## Product datasheet for **TA804954BM**

### CD56 (NCAM1) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2A2]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI2A2   |
| Applications:           | IHC, WB  |
| Recommended Dilution:   | IHC 1:150  |
| 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:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol.  |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | HRP  |
| 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:          | <a href="#">NP_851996</a><br><a href="#">Entrez Gene 17967 Mouse</a> <a href="#">Entrez Gene 24586 Rat</a> <a href="#">Entrez Gene 4684 Human</a><br><a href="#">P13591</a>  |
| 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] |



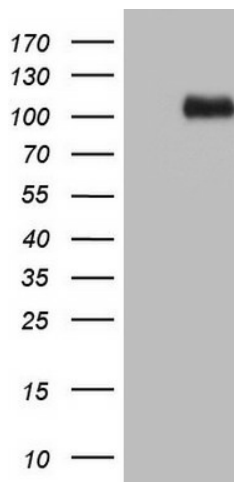
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**Synonyms:** CD56; MSK39; NCAM

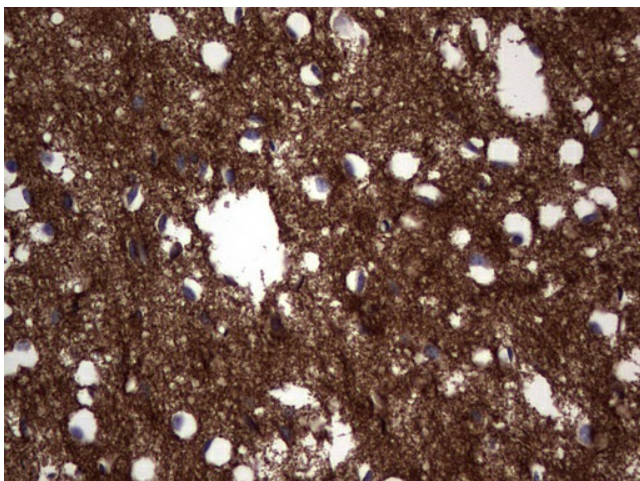
**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

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

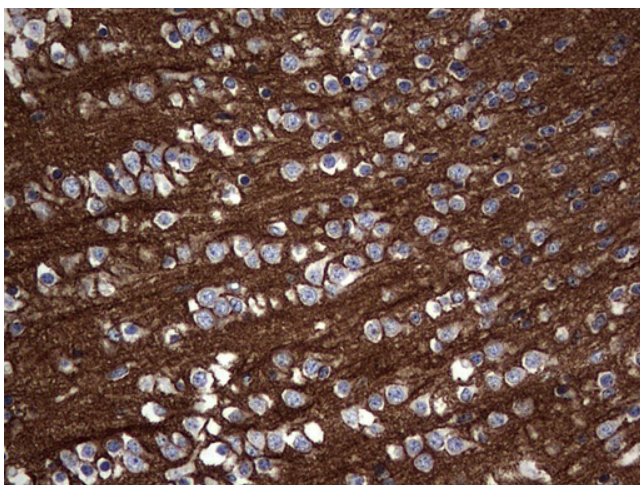
### Product images:



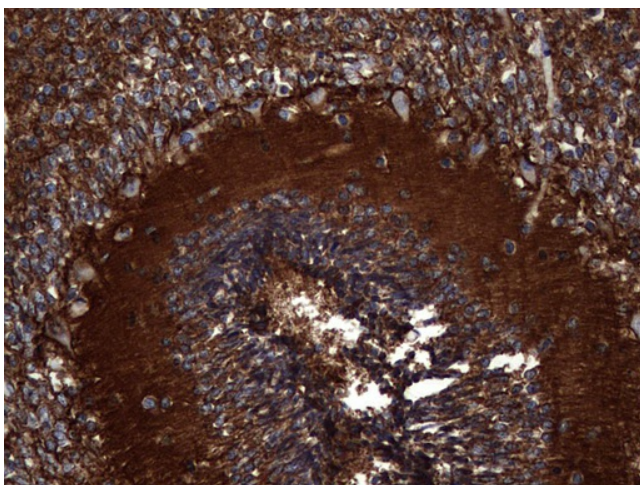
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NCAM1 ([RC207890], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NCAM1. Positive lysates [LY405745] (100ug) and [LC405745] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA804954])



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, pH8.5, 120°C for 3min, [TA804954])



Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA804954])