

NCAM Rabbit mAb

Catalog No: #49357

Package Size: #49357-1 50ul #49357-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
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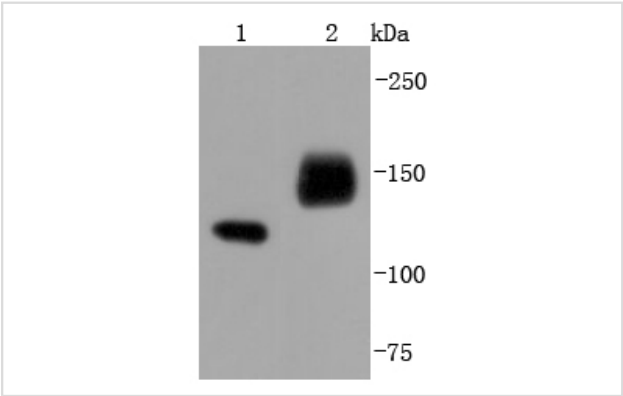
Description

Product Name	NCAM Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR4538
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Zebrafish
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	antigen MSK39 identified by monoclonal antibody 5.1H11 antibody antigen recognized by monoclonal antibody 5.1H11 antibody CD56 antibody cell adhesion molecule, neural, 1 antibody MSK 39 antibody MSK39 antibody N-CAM-1 antibody NCAM 1 antibody NCAM antibody NCAM C antibody NCAM-1 antibody NCAM1 antibody NCAM1_HUMAN antibody NCAMC antibody Neural cell adhesion molecule 1 antibody Neural cell adhesion molecule NCAM antibody OTTHUMP00000235666 antibody
Accession No.	Swiss-Prot#:P13591
Calculated MW	100-150 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

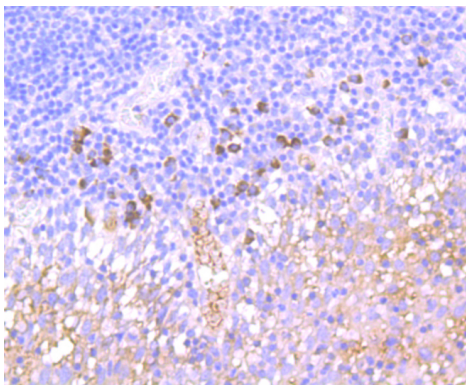
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

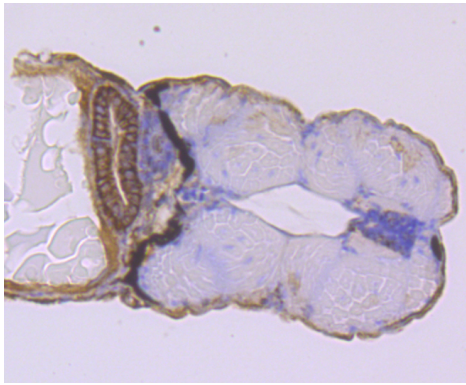
Images



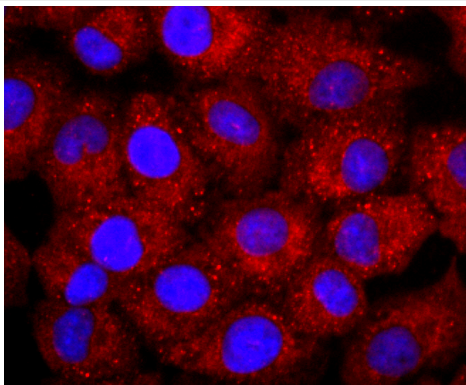
Western blot analysis of NCAM on different lysates using anti-NCAM antibody at 1/1,000 dilution. Positive control:
Lane 1: SH-SY-5Y
Lane 2: Human brain



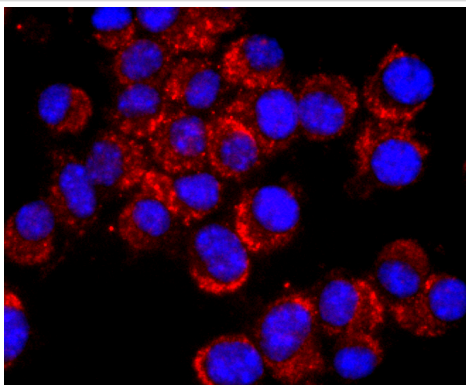
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-NCAM antibody. Counter stained with hematoxylin.



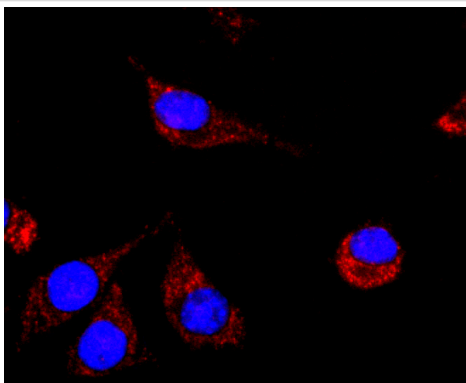
Immunohistochemical analysis of paraffin-embedded zebrafish kidney tissue using anti-NCAM antibody. Counter stained with hematoxylin.



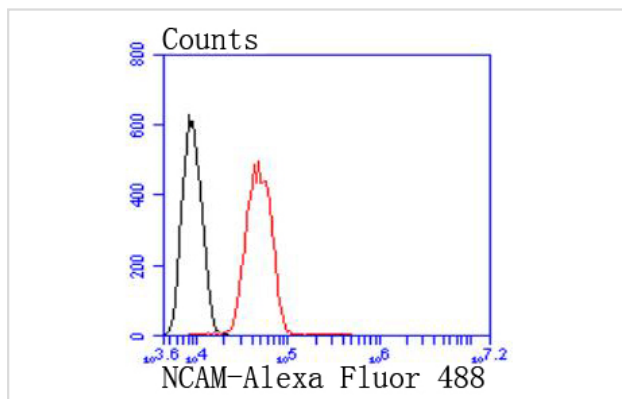
ICC staining NCAM in A549 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NCAM in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NCAM in SH-SY-5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with NCAM antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Neural cell adhesion molecules (NCAMs) are a family of closely related cell surface glycoproteins involved in cell to cell interactions during growth and thought to play an important role in embryogenesis and development. The expression of these molecules is widespread in all three germ layers during embryogenesis, but is more restrictive in adult tissues. NCAM expression is observed in a variety of human tumors including neuroblastomas, rhabdo-myosarcomas, Wilms' tumor, Ewing's sarcoma and some primitive myeloid malignancies. Multiple isoforms of NCAM have been reported in both mouse and human brain tissue. In humans, NCAMs arise from differential splicing and use of alternative polyadenylation sites of a single gene mapping to 11q23.

References

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