

# NCAM1 Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AM1960b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P13591</a>
<b>Other Accession</b>	<a href="#">P13595</a> , <a href="#">NP_000606.3</a> , <a href="#">NP_001070150.1</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1,k
<b>Clone Names</b>	321CT11.4.4
<b>Calculated MW</b>	94574
<b>Antigen Region</b>	830-858

## Additional Information

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<b>Gene ID</b>	4684
<b>Other Names</b>	Neural cell adhesion molecule 1, N-CAM-1, NCAM-1, CD56, NCAM1, NCAM
<b>Target/Specificity</b>	This NCAM1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 830-858 amino acids from human NCAM1.
<b>Dilution</b>	WB~~1:500~1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	NCAM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NCAM1 ( <a href="#">HGNC:7656</a> )
<b>Synonyms</b>	NCAM
<b>Function</b>	This protein is a cell adhesion molecule involved in neuron- neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. (Microbial

infection) Acts as a receptor for Zika virus.

#### Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Cell membrane; Lipid-anchor, GPI- anchor [Isoform 5]: Secreted.

## Background

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This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.

## References

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Foley, D.A., et al. J. Biol. Chem. 285(45):35056-35067(2010)

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)

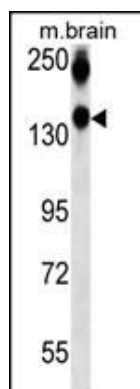
Kleene, R., et al. J. Biol. Chem. 285(37):28968-28979(2010)

Bojarska-Junak, A., et al. Oncol. Rep. 24(3):803-810(2010)

Gomyo, H., et al. Hematology 15(3):157-161(2010)

## Images

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NCAM1 Antibody (Cat. #AM1960b) western blot analysis in mouse brain tissue lysates (35µg/lane). This demonstrates the NCAM1 antibody detected the NCAM1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.