

# NCAM /CD56 Rabbit mAb

Catalog No.: A23300 **Recombinant**

## Basic Information

### Observed MW

120-220kDa

### Calculated MW

67kDa/80kDa/93kDa/119kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC60182

## Background

Predicted to enable LRR domain binding activity and phosphatase binding activity. Involved in commissural neuron axon guidance and regulation of semaphorin-plexin signaling pathway. Acts upstream of or within several processes, including homotypic cell-cell adhesion; positive regulation of calcium-mediated signaling; and regulation of exocyst assembly. Located in several cellular components, including external side of plasma membrane; growth cone; and neuronal cell body. Is expressed in several structures, including embryo mesenchyme; nervous system; sensory organ; skin; and urinary system. Human ortholog(s) of this gene implicated in bipolar disorder; middle cerebral artery infarction; and pancreatic cancer. Orthologous to human NCAM1 (neural cell adhesion molecule 1).

## Recommended Dilutions

**WB** 1:1000 - 1:4000

**IHC-P** 1:200 - 1:2000

**IF/ICC** 1:200 - 1:800

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

17967

### Swiss Prot

P13595

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-711 of mouse NCAM /CD56(NP\_001106675.1).

### Synonyms

CD56; Ncam; E-NCAM; NCAM-1; NCAM /CD56

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

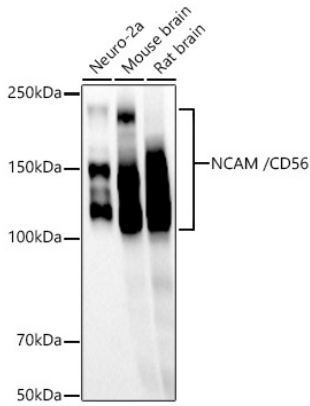
Affinity purification

### Storage

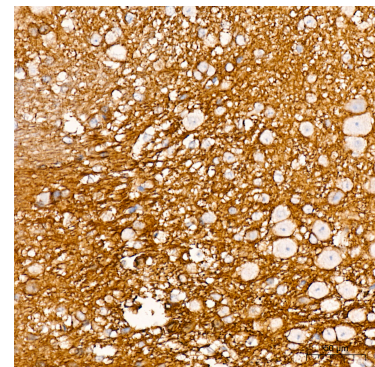
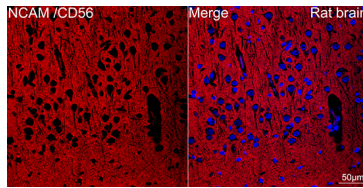
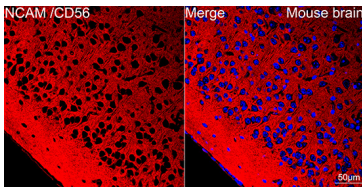
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



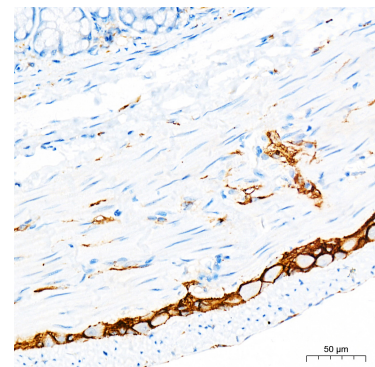
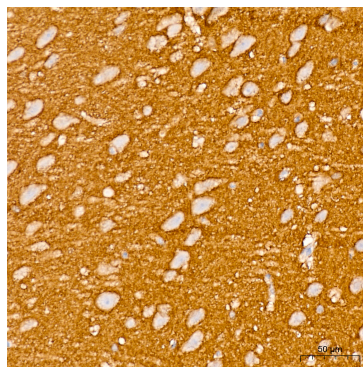
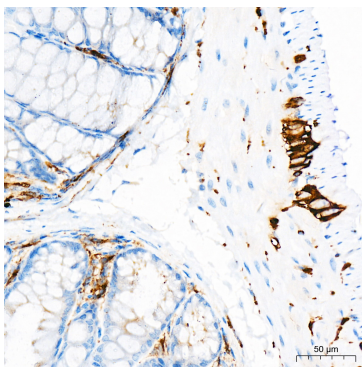
Western blot analysis of various lysates, using NCAM /CD56 Rabbit mAb (A23300) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Confocal imaging of paraffin-embedded Mouse brain using NCAM /CD56 Rabbit mAb (A23300, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Confocal imaging of paraffin-embedded Rat brain using NCAM /CD56 Rabbit mAb (A23300, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using NCAM /CD56 Rabbit mAb (A23300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using NCAM /CD56 Rabbit mAb (A23300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using NCAM /CD56 Rabbit mAb (A23300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using NCAM /CD56 Rabbit mAb (A23300) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.