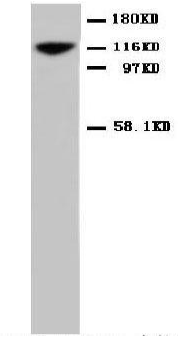
Product Information Sheet

Polyclonal Anti-Neural cell adhesion molecule 1, ***NCAM1 (CD56)***



Catalogue No. PA1055

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

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Immunogen

A synthetic peptide corresponding to the C-teminal end of human CD56, different from the related rat sequence by single amino acid.

Purity

Immunogen affinity purified.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect CD56 in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na_2HPO_4.

Reconstitution

1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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BACKGROUND

NCAM is a membrane-bound glycoprotein that plays a role in cell-cell and cell-matrix adhesion through both its homophilic and heterophilic binding activity. The neural cell adhesion molecule appears on early embryonic cells and is important in the formation of cell collectives and their boundaries at sites of morphogenesis. Later in development it is found on various differentiated tissues and is a major CAM mediating adhesion among neurons and between neurons and muscle. NCAM gene is mapped to 11q23. The neural cell adhesion molecule (NCAM) can influence a number of diverse intercellular events, including junctional communication, the association of axons with pathways and targets, and signals that alter levels of neurotransmitter enzymes.

REFERENCE

1. Nguyen, C.; Mattei, M. G.; Mattei, J.-F.; Santoni, M.-J.; Goridis, C.; Jordan, B. R. : Localization of the human NCAM gene to band q23 of chromosome 11: the third gene coding for a cell interaction molecule mapped to the distal portion of the long arm of chromosome 11. J. Cell Biol. 102: 711-715, 1986.

2. Telatar, M.; Lange, E.; Uhrhammer, N.; Gatti, R. A. : New localization of NCAM, proximal to DRD2 at chromosome 11q23. Mammalian Genome 6: 59-60, 1995.

3. Rutishauser, U.; Acheson, A.; Hall, A. K.; Mann, D. M.; Sunshine, J. : The neural cell adhesion molecule (NCAM) as a regulator of cell-cell interactions. Science 240: 53-57, 1988.

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