

DATASHEET

Version: 2016-08-17

NCAM Antibody, pAb, Rabbit

Cat. No.: A01415-40

Size: 40 µg

Synonyms: Rabbit Anti-NCAM pAb;

Description:

NCAM (neural cell adhesion molecule, CD56) is an adhesion glycoprotein. It contains five extracellular immunoglobulin-like domains followed by two fibronectin type III repeats.

Alternative splicing gives rise to different cytoplasmic domains. NCAM is involved in neuronal attachment, neurite extension, and cell-cell interactions through homo and heterophilic interactions. During sialylation, polysialic acid (PSA) carbohydrates are attached to the extracellular part of NCAM. It is expressed on most neuroectodermal derived cell lines, tissues, and neoplasm.

GenScript **Rabbit Anti-NCAM Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide within cytoplasmic residues 780-830 of human NCAM (Swiss Prot: P13591).

Immunogen: KLH-coupled synthetic peptide within cytoplasmic residues 780-830 of human NCAM (Swiss Prot: P13591).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-NCAM Polyclonal

Antibody detects endogenous levels of rat and mouse NCAM.

It is predicted to react with human NCAM according to sequence homology.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Other Applications: user-optimized

Species Reactivity: Rat and mouse. This product has not been tested with other species yet.

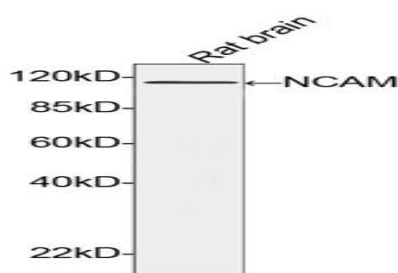
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of tissue lysates using NCAM Antibody, pAb, Rabbit (GenScript, A01415, 1 µg/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 120 kD

Observed Size: 115 kD

