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Datasheet for ABIN1387627 anti-NCAM2 antibody (AA 51-150)

Overview

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|----------------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | NCAM2 |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NCAM2 antibody is un-conjugated |
| Application: | ELISA, Flow Cytometry (FACS) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human NCAM2 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | NCAM2 |
| Alternative Name: | NCAM2 (NCAM2 Products) |
| Background: | Synonyms: N CAM 2, N CAM 21, N CAM2, N CAM21, N-CAM-2, NCAM 2, NCAM 21, NCAM-2, |

Target Details

Ncam2, NCAM2_HUMAN, NCAM21, Neural cell adhesion molecule 2, OCAM GPI, R4B12, RB 8 neural cell adhesion molecule, RB8 neural cell adhesion molecule, RNCAM.

Background: NCAM2 is an 837 amino acid protein encoded by the human gene NCAM2.

NCAM2 contains five immunoglobulin-like domains, two Fibronectin type III domains, a transmembrane domain and a cytoplasmic domain. The gene is expressed most strongly in human adult and fetal brain. NCAM2 is a member of the neural cell adhesion molecule (NCAM) family. NCAMs are closely related cell surface glycoproteins involved in cell to cell interactions during growth and are thought to play an important role in embryogenesis and development. NCAM2 is a considered a good candidate for involvement in certain Down syndrome phenotypes because a slight overexpression of NCAMs increases many-fold the homotypic adhesion properties of cells. Stat5 regulates NCAM2 in vivo by binding to the NCAM2 intron in the NKL natural killer cell line, this binding is induced by cytokines that activate Stat5. Neither Stat1 nor Stat3 bind to this region, despite sharing a consensus binding sequence with Stat5.

Application Details

Application Notes: ELISA 1:500-1000
FCM 1:20-100

Restrictions: For Research Use only

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |