

Datasheet for ABIN2782029
anti-NrCAM antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	NrCAM (NRCAM)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NrCAM antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NRCAM
Sequence:	PLILFLCQMI SALEVPLDLV QPPTITQQSP KDYIIDPREN IVIQCEAKGK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against NRCAM. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NrCAM (NRCAM)
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Target Details

Alternative Name: [NRCAM \(NRCAM Products\)](#)

Background: Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. NRCAM is a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. NRCAM may also play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of its gene have been associated with autism and addiction vulnerability.

Alias Symbols: KIAA0343, MGC138845, MGC138846

Protein Interaction Partner: LNX1, MAGI3, HSPA12A, MACF1, UBC, NFASC, NRCAM, CNTN2, PTPRB, ANK2,

Protein Size: 771

Molecular Weight: 84 kDa

Gene ID: 4897

NCBI Accession: [NM_001037132](#)

UniProt: [Q4KMQ7](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 771 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

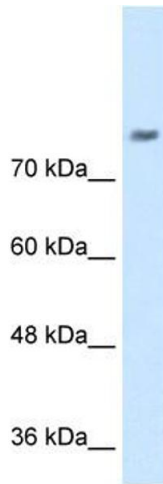
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NRCAM Antibody Titration:
0.2-1 ug/ml Positive Control: Jurkat cell lysate