

Datasheet for ABIN2773852
anti-NrCAM antibody (N-Term)



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2 Images

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NRCAM
Sequence:	NLSDTEFYGA KSSRERPPTF LTPEGNASNK EELRGNVLSL ECIAEGLPTP
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NRCAM. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A 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. Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes 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. This gene is also expressed in non-neural tissues and may 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 this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms. Alias Symbols: KIAA0343, MGC138845, MGC138846 Protein Interaction Partner: LNX1, MAGI3, HSPA12A, MACF1, UBC, NFASC, NRCAM, CNTN2, PTPRB, ANK2, Protein Size: 1304
Molecular Weight:	141 kDa
Gene ID:	4897
NCBI Accession:	NM_001037132 , NP_001032209
UniProt:	Q92823
Pathways:	Regulation of Cell Size

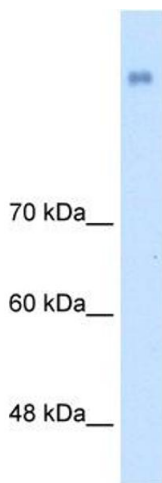
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1304 AA
Restrictions:	For Research Use only

Handling

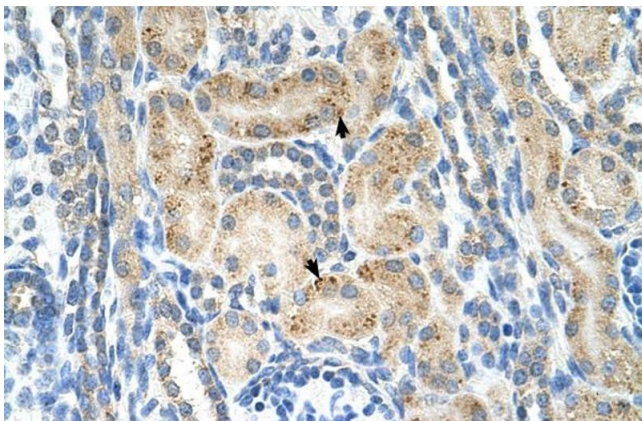
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling 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:
2.5ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human kidney