

Recombinant Human NRCAM cell lysate

Cat. No. NRCAM-1220HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	NRCAM neuronal cell adhesion molecule [Homo sapiens]
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Official Symbol	NRCAM
Synonyms	NRCAM; neuronal cell adhesion molecule; Bravo; KIAA0343; NgCAM related cell adhesion molecule; neuronal surface protein Bravo; NgCAM-related cell adhesion molecule; MGC138845; MGC138846;
Gene ID	4897
mRNA Refseq	NM_001037132
Protein Refseq	NP_001032209
MIM	601581
UniProt ID	Q92823
Chromosome Location	7q31
Pathway	Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Developmental Biology, organism-specific biosystem; Interaction between L1 and Ankyrins, organism-specific biosystem; L1CAM interactions, organism-specific biosystem; Neurofascin interactions, organism-specific biosystem;
Function	ankyrin binding;