



Anti-NRCAM (aa 50-159) polyclonal antibody (DPAB-DC2052)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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-neuronal 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.
Immunogen	NRCAM (NP_005001, 50 a.a. ~ 159 a.a) partial recombinant protein with GST tag. The sequence is YIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVTMKGPGTGTLLINIMSEGKAE TYEGVYQCTARNERGAAVSNNIVRPSRSPLWTKEKLEPITLQSGQSLV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NRCAM neuronal cell adhesion molecule [Homo sapiens (human)]
Official Symbol	NRCAM
Synonyms	NRCAM; neuronal cell adhesion molecule; neuronal surface protein Bravo; NgCAM-related cell adhesion molecule;
Entrez Gene ID	4897
Protein Refseq	NP_001032209
UniProt ID	Q14CA1
Chromosome Location	7q31
Pathway	Axon guidance; Developmental Biology; L1CAM interactions; NrCAM interactions
Function	ankyrin binding; protein binding; protein binding involved in heterotypic cell-cell adhesion;