



Anti-NRCAM polyclonal antibody [Biotin] (DPABY-659)

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

PRODUCT INFORMATION

Antigen Description	NgCAM related cell adhesion molecule (NrCAM), also known as Bravo, belongs to the L1 family of cell adhesion molecules, which includes L1, neurofascin and close homolog of L1 (CHL-1/L1CAM-2). These molecules are type I transmembrane proteins that have six Ig-like domains and 4 to 5 Fibronectin type III-like domains in their extracellular region. They also share a conserved cytoplasmic region containing an ankyrin-binding site. L1 family cell adhesion molecules are expressed primarily in the nervous system where they share overlapping functions in controlling axonal growth and guidance.
Specificity	Detects human NrCAM Isoform 3 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant human(rh)NCAM-1 and rhNCAM-L1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NrCAM isoform 3 . Leu30-Asn600 (Ala526Pro) Accession Number Q14CA1
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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; Cell adhesion molecules (CAMs); Developmental Biology; Interaction between L1 and Ankyrins; L1CAM interactions; Neurofascin interactions; NrCAM interactions;
Function	ankyrin binding; protein binding; protein binding involved in heterotypic cell-cell adhesion;