

Datasheet for ABIN1724829

**anti-NrCAM antibody (AA 1192-1255)****4** Images**1** Publication[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	NrCAM (NRCAM)
Binding Specificity:	AA 1192-1255
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NrCAM antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human NRCAM (AA: 1192-1255) expressed in E. coli.
Clone:	7D8C5
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	NrCAM (NRCAM)
Alternative Name:	NRCAM ( <a href="#">NRCAM Products</a> )
Background:	Description: Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-

## Target Details

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. ,

Aliases: NRCAM

Molecular Weight: 144 kDa

Gene ID: 4897

HGNC: 4897

Pathways: [Regulation of Cell Size](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

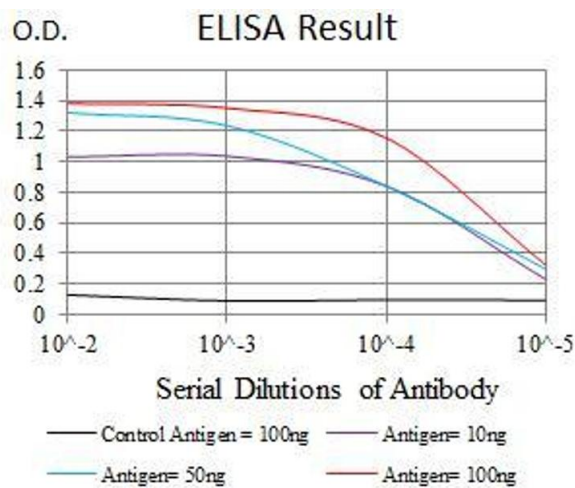
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

## Publications

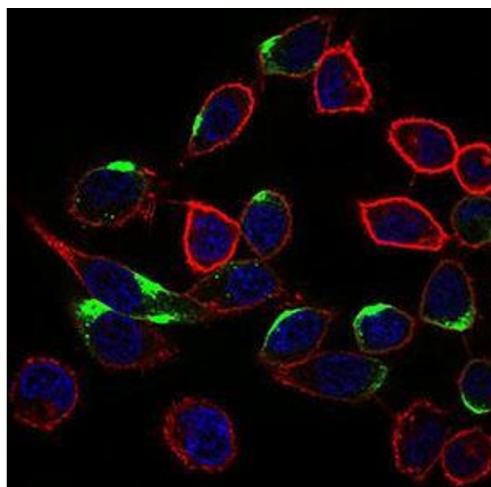
Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) ([PubMed](#)).



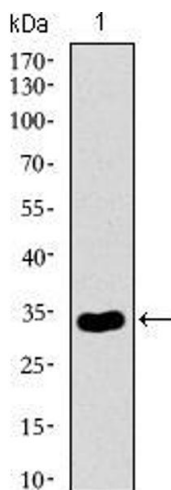
ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Immunofluorescence

**Image 2.** Immunofluorescence analysis of HepG2 cells using NRCAM mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

**Image 3.** Western blot analysis using NRCAM mAb against human NRCAM recombinant protein. (Expected MW is 32.7 kDa)

## Images

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Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1724829.