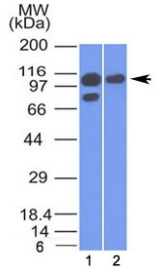
Alpha Catenin Antibody [clone 1G5] (V3202)

Catalog No.	Formulation	Size
V3202-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3202-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3202SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

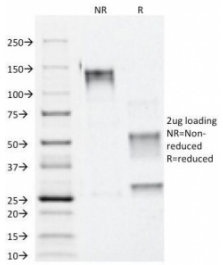
Citations (13)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1G5
Purity	Protein G affinity chromatography
UniProt	P35221
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 0.5-1ug/ml
Limitations	This Alpha Catenin antibody is available for research use only.



Western blot testing of human 1) A431 and 2) MCF7 cell lysate with Alpha Catenin antibody (clone 1G5). Expected molecular weight ~102 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Alpha Catenin Antibody (clone 1G5). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 102kDa, identified as Catenin, alpha-1. Catenins comprise a large family of Ca2+-dependent, homotypic cell-cell adhesion molecules that play important roles in development, epithelial cell polarity and tumor progression. Alpha-Catenin is a key regulator of actin dynamics in cell-cell adhesion. During cell-cell adhesion, alpha-Catenin forms a heterodimer with beta-Catenin and links the cadherins to actin associated with the cytoskeleton. Alpha-Catenin also regulates the beta-Catenin signaling in various cells. It displays the tumor suppressor activity and is found to be down regulated in some forms of breast cancer.

Application Notes

Optimal dilution of the Alpha Catenin antibody to be determined by the researcher.

Immunogen

A human fusion protein was used as the immunogen for the Alpha Catenin antibody.

Storage

Store the Alpha Catenin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com