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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse anti alphaT- Catenin

 nordicmubio.com/products/mouse-anti-alphat-catenin/MUB0311P

Catalog number: **MUB0311P**

Clone	892_24D2S
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse
Species Reactivity	Human
Application	Flow Cytometry Immunocytochemistry Immunohistochemistry (frozen) Immunohistochemistry (paraffin) Immunoprecipitation Western Blotting

Background

Catenins are proteins that connect cadherin/ β -Catenin cell adhesion complexes to the actin cytoskeleton. Although originally discovered in testis, α T-Catenin is expressed in other tissues, the highest levels being observed in heart. Immunohistochemical analysis showed Human α T-Catenin localization at intercalated discs of cardiomyocytes and in peritubular myoid cells of testis. It is proven that α T-Catenin can functionally restore cell-cell adhesion in colon cancer cells lacking α -Catenins. This indicates that this protein is involved in the formation of specific cell-cell contacts in specific types of muscle cells. The encoded protein has about the same predicted size (100 kDa) as other α -Catenins to which it shows an overall amino acid identity of 57%. In cells transfected with α T-Catenin cDNA, interaction with β -Catenin was demonstrated by co-immunoprecipitation. The 892_24D2S antibody anti α T-Catenin does not show any cross reaction with α E-Catenin or α N-Catenin in western blot analysis.

Source

892_24D2S is a Mouse monoclonal IgG2a antibody derived by fusion of SP2/0-Ag14 Mouse myeloma cells with spleen cells from a C57Bl/6 Mouse immunized with a synthetic peptide corresponding to amino acids 164-177 of the Human α T-Catenin protein including an additional N-terminal cysteine (CVANKSDLQKTYQKL) coupled to keyhole limpet hemocyanin.

Product

The vial contains 100 μ l 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Formulation: The vial contains 100 μ l 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Specificity

892_24D2S reacts with an epitope located between residues 164-177 of the Human α T-Catenin protein.

Applications

892_24D2S is suitable for immunocytochemistry on acetone fixed cells, immunohistochemistry on frozen and paraffin embedded tissue sections, immunoprecipitation and immunoblotting. Optimal antibody dilution should be determined by titration; recommended range is 1:25 – 1:50 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 – 1:1000 for immunoblotting applications.

Storage

The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

References

1. Janssens, B., Goossens, S., Staes, K., Gilbert, B., van Hengel, J., Colpaert, C., Bruyneel, E., Mareel, M., and van Roy, F. (2001). alphaT-Catenin: a novel tissue-specific beta-Catenin-binding protein mediating strong cell-cell adhesion, *J. Cell. Sci.* 114, 3177-88.

Protein Reference(s)

Database Name: UniProt

Accession Number: Q9UI47, Q9UHD2, Q9UI47

Safety Datasheet(s) for this product:

NM_Sodium Azide