Anti-Human alpha-Catenin Purified
Catalog Number: 14-9120

Product Information

| Contents: Anti-Human alpha-Catenin Purified |
| Catalog Number: 14-9120 |
| Clone: 1G5 |
| Concentration: 0.5 mg/mL |
| Host/Isotype: Mouse IgG1, kappa |

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
Batch Code: Refer to vial
Use By: Refer to vial
Contains sodium azide

Description

The monoclonal antibody 1G5 recognizes human alpha catenin. Alpha catenin plays a role in cell-cell adhesion through its function in the binding and bundling of actin. The N-terminus of alpha catenin binds beta catenin and the C-terminus binds actin. Monomeric alpha catenin acts as a physical linker between the cadherin-beta catenin complex and the actin cytoskeleton and is stabilized by dimeric alpha catenin found in the cytoplasm. Alpha catenin also binds other actin-related proteins, including vinculin, alpha-actinin, ZO-1, afadin, formin-1, and Rho. Alpha catenin is absent in some tumor cell lines and reduced in some human carcinomas.

Applications Reported

This 1G5 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, western blotting, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

Applications Tested

This 1G5 antibody has been tested by immunohistochemistry of formalin-fixed paraffin embedded human tissue using high pH antigen retrieval or by immunocytochemistry of methanol- or formaldehyde-fixed and permeabilized human cells and can be used at less than or equal to 5 μg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References


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Related Products
00-4953 IHC /ICC Blocking Buffer - Low Protein
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4956 IHC Antigen Retrieval Solution – High pH (10X)
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)