

Polyclonal Antibody to Alpha-2 Macroglobulin - Aff - Purified

Alternate names: Alpha2 Macroglobulin

Catalog No.: 15-288-20008F

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

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 Tcatenin 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 coimmunoprecipitation.

Host / Isotype: Chicken

Immunogen: 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.

Format: **State:** Liquid purified IgG fraction.
Buffer System: PBS with 0.09% Sodium Azide as preservative.

Applications: Immunofluorescence: acetone-fixed cells.
Immunocytochemistry: methanol and paraformaldehyde-fixed cells, followed by permeabilisation in 0.2% Triton-X 100 for 2 min.
Immunohistochemistry1: 1/25-1/200 with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent,
Immunoprecipitation.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The 892_24D2S antibody against α T-catenin does not show any cross reaction with α E-catenin or α Ncatenin in western blot analysis.
This antibody reacts with an epitope located between residues 164-177 of the human α T-catenin protein.
Species: Human.
Others not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freeze-thaw cycles.
Shelf life: One year from despatch.

General References:

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