

p120 catenin (ABT082) Mouse mAb

CatalogNo: YM4892

Recombinant  IHC

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 108kD (Calculated)
108kD (Observed)

Isotype

- Mouse IgG2b/Kappa

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Basic Information

Clonality

Monoclonal

Clone Number

ABT082

Immunogen Information

Immunogen

Synthesized peptide derived from human p120 catenin AA range: 600-700

Specificity

The antibody can specifically recognize human p120 catenin protein. In western blotting of Hela, A431 and HEK293 cell lysates, the antibody can label a band with molecular weight around 100~110 kDa.

Target Information

Gene name CTNND1 KIAA0384

Protein Name p120 catenin

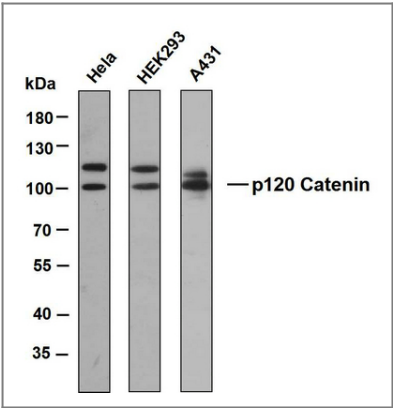
Organism	Gene ID	UniProt ID
Human	1500 ;	O60716 ;
Mouse	12388 ;	P30999 ;

Cellular Localization Cytoplasmic , Membranous

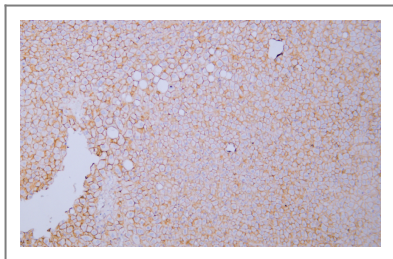
Tissue specificity Expressed in vascular endothelium. Melanocytes and melanoma cells primarily express the long isoform 1A , whereas keratinocytes express shorter isoforms , especially 3A. The shortest isoform 4A , is detected in normal keratinocytes and melanocytes , and generally lost from cells derived from squamous cell carcinomas or melanomas. The C-terminal alternatively spliced exon B is present in the p120ctn transcripts in the colon , intestine and prostate , but lost in several tumor tissues derived from these organs.

Function Alternative products:Experimental confirmation may be lacking for some isoforms ,Disease:May contribute to cell malignancy. Complete loss of expression was observed in approximately 10% of invasive ductal breast carcinomas investigated. ,Domain:A possible nuclear localization signal exists in all isoforms where Asp-626--631-Arg are deleted. ,Function:Binds to and inhibits the transcriptional repressor ZBTB33 , which may lead to activation of target genes of the Wnt signaling pathway (By similarity) . May associate with and regulate the cell adhesion properties of both C- and E-cadherins. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF , PDGF , CSF-1 and ERBB2 receptors. Promotes GLIS2 C-terminal cleavage. ,induction:Induced in vascular endothelium by wounding. This effect is potentiated by prior laminar shear stress , which enhances wound closure. ,PTM:Phosphorylated. ,similarity:Belongs to the beta-catenin family. ,similarity:Contains 10 ARM repeats. ,subcellular location:Interaction with GLIS2 promotes nuclear translocation. ,subunit:Belongs to a multiprotein cell-cell adhesion complex that also contains E-cadherin , alpha-catenin , beta-catenin , and gamma-catenin. Binds to the C-terminal fragment of PSEN1 and mutually competes for E-cadherin. Interacts with ZBTB33. Interacts with GLIS2. ,tissue specificity:Expressed in vascular endothelium. ,

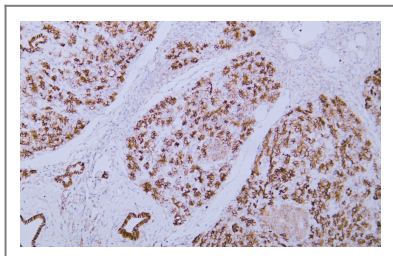
Validation Data



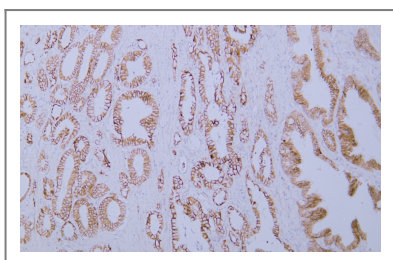
Various whole cell lysates were separated by 8% SDS-PAGE, and the membrane was blotted with anti-p120 Catenin antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.



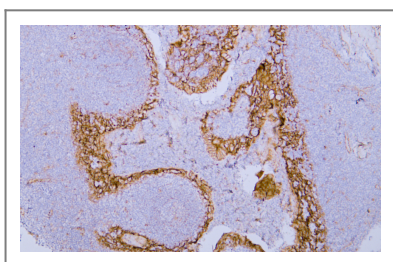
Human liver tissue was stained with Anti-p120 Catenin (ABT082) Antibody



Human pancreas tissue was stained with Anti-p120 Catenin (ABT082) Antibody



Human prostatic adenocarcinoma tissue was stained with Anti-p120 Catenin (ABT082) Antibody



Human tonsil tissue was stained with Anti-p120 Catenin (ABT082) Antibody

Contact information

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Please scan the QR code to access additional product information:
p120 catenin (ABT082) Mouse mAb

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