

Catenin-Beta Monoclonal Antibody(4F2)

Description

Product type	Primary Antibody
Code	BT-MCA0016
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Catenin-Beta
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Catenin beta-1
Synonyms	CTNNB1; CTNNB; OK; SW-cl.35; Catenin beta-1; Beta-catenin

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilution

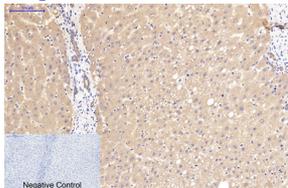
IF: 1:200

IHC: 1:200-500

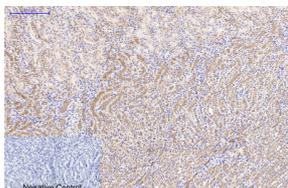
WB: 1:1000-2000

Not yet tested in other applications.

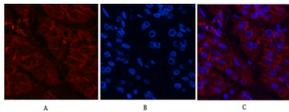
Images



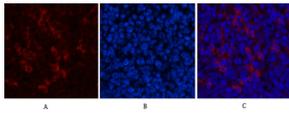
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1.Catenin-Beta Monoclonal antibody(4F2) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



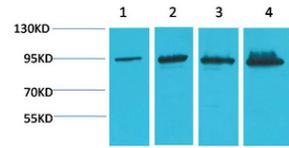
Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1.Catenin-Beta Monoclonal antibody(4F2) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



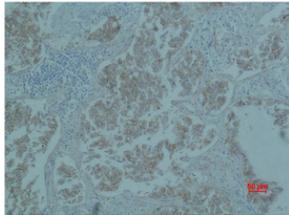
Immunofluorescence analysis of Human-stomach-cancer tissue. 1.Catenin-Beta Monoclonal antibody(4F2)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-spleen tissue. 1.Catenin-Beta Monoclonal antibody(4F2)(red) was diluted at 1:200(4°C,overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of 1) Hela, 2) 293T, 3) Mouse Liver Tissue, 4) Rat Liver Tissue using Catenin-Beta Monoclonal antibody.



Immunohistochemical analysis of paraffin-embedded Human Lung carcinoma using Catenin-Beta Monoclonal antibody.

Storage

-20°C for one year

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