

Catenin beta Monoclonal Antibody

Catalog No. E-AB-22111

Note: Centrifuge before opening to ensure complete recovery of vial contents.

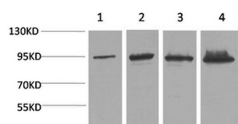
Description

Reactivity	Human, Mouse, Rat
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	2E4
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:100-1:300
IF	1:100-1:300

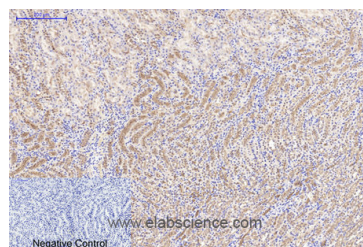
Data



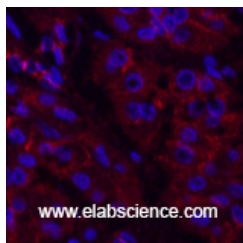
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Western Blot analysis of 1) HeLa, 2) 293T, 3) Mouse liver, 4) Rat liver with Catenin beta Monoclonal Antibody

Observed Mw:92kDa



Immunohistochemistry of paraffin-embedded Mouse kidney tissue using Catenin beta Monoclonal Antibody at dilution of 1:200.



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Immunofluorescence analysis of Human stomach cancer tissue using Catenin beta Monoclonal Antibody at dilution of 1:200.

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Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes. Involved in the regulation of cell adhesion. The majority of beta-catenin is localized to the cell membrane and is part of E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton.

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