



Beta-catenin mouse mAb(ABT401)

Catalog No	YP-Ab-15534
Isotype	IgG
Reactivity	Human
Applications	IHC, WB
Gene Name	CTNNB1 CTNNB OK/SW-cl.35 PRO2286
Protein Name	Beta-catenin
Immunogen	Synthesized peptide derived from human Beta-catenin
Specificity	The antibody can specifically recognize human β -Catenin protein. In western blotting of Hela, A431 and HEK293 cell lysates, the antibody labels β -Catenin, no reaction with α or γ -catenin.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.132% sodium azide.
Source	Monoclonal, Mouse/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, IF 1:100-500
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Catenin beta-1 (Beta-catenin)
Observed Band	
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton . Cell junction, adherens junction . Cell junction . Cell membrane . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cell junction, synapse . Cytoplasm, cytoskeleton, cilium basal body . Colocalized with RAPGEF2 and TJP1 at cell-cell contacts (By similarity). Cytoplasmic when it is unstabilized (high level of phosphorylation) or bound to CDH1. Translocates to the nucleus when it is stabilized (low level of phosphorylation). Interaction with GLIS2 and MUC1 promotes nuclear translocation. Interaction with EMD inhibits nuclear localization. The majority of beta-catenin is localized to the cell membrane. In interphase, colocalizes with CROCC between CEP250 puncta at the proximal end of centrioles, and this localization is dependent on CROCC and CEP250. In mitosis, when NEK2 activity increases, it localizes to centrosomes at spindle poles independent of CROCC. Colocalizes with CDK5 in the cell-cell contacts and plasma membrane of undifferentiated and differentiated neuroblastoma cells. Interaction with FAM53B promotes translocation to the nucleus (PubMed:25183871). .
Tissue Specificity	Expressed in several hair follicle cell types: basal and peripheral matrix cells, and cells of the outer and inner root sheaths. Expressed in colon. Present in cortical neurons (at protein level). Expressed in breast cancer tissues (at protein level)



(PubMed:29367600).

Function**Background****matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images