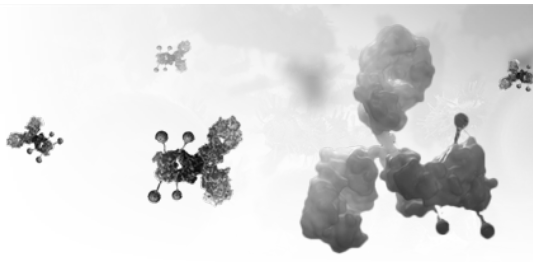

Anti-CTNNB1 monoclonal antibody, clone FQ701Z (DCABH-9441)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to beta Catenin
Antigen Description	Key dowstream 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.
Immunogen	A synthetic peptide corresponding to residues on the C terminus of human beta Catenin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	FQ701Z
Conjugate	Unconjugated
Applications	WB, Flow Cyt
Positive Control	A431 cell lysate.
Format	Liquid
Size	100 µl

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Buffer	pH: 7.40; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens]
Official Symbol	CTNNB1
Synonyms	CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; catenin (cadherin associated protein), beta 1 (88kD) , CTNNB; catenin beta-1; beta catenin; CTNNB; FLJ25606; FLJ37923; DKFZp686D02253;
Entrez Gene ID	1499
Protein Refseq	NP_001091679
UniProt ID	A0A024R2Q3
Chromosome Location	3p21
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesionproteins, organism-specific biosystem;
Function	DNA binding; I-SMAD binding; R-SMAD binding; RPTP-like protein binding; SMAD binding; alpha-catenin binding; androgen receptor binding; cadherin binding; chromatin binding; double-stranded DNA binding; enzyme binding; estrogen receptor binding; ion channe

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