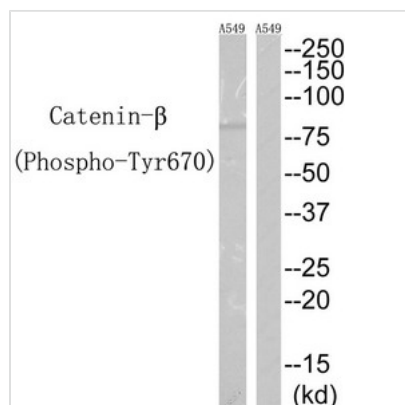




Phospho-CTNNB1 (Tyr670) Antibody

Product Code	CSB-PA064130
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P35222
Immunogen	Peptide sequence around phosphorylation site of tyrosine 670 (Q-W-Y(p)-K-K) derived from Human CTNNB1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of CTNNB1 only when phosphorylated at tyrosine 670.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	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. Acts as a negative regulator of centrosome cohesion. Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization. Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2. Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML.
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography usi
Clonality	Polyclonal
Alias	Beta-catenin; catenin (cadherin-associated protein); beta 1; 88kDa; Catenin beta-1; CTNB1; CTNNB; CTNNB1; DKFZp686D02253; FLJ25606; FLJ37923
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CTNNB1
Image	



Western blot analysis of extracts from A549 cells, using Catenin- β (Phospho-Tyr670) antibody. The lane on the right is treated with the synthesized peptide.

Product Modify

Phospho-Tyr670