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beta Catenin (YD17053) Rabbit mAb

货号: AYD16168

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC ICC/IF FC
推荐浓度	**WB: 1:1000－1：2000:** **IHC: 1:200-1:1000:** **ICC/IF: 1:50－1：300:** **FC: 1:1000:**
理论分子量	85kDa/85kDa/85kDa
实测分子量	86 kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,Mouse brain,Mouse lung,C6
细胞定位	Cytoplasm, Nucleus, cytoskeleton, Cell junction, adherens junction, Cell membrane, microtubule organizing center, centrosome, spindle pole, Synapse, cilium basal body
纯化	亲和纯化

抗原信息

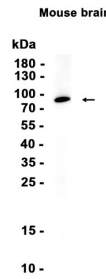
抗原信息	

靶点信息

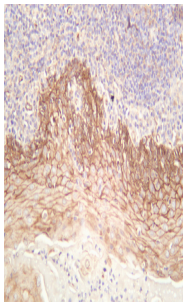
研究背景	Key downstream component of the canonical Wnt signaling pathway (PubMed:17524503, PubMed:18077326, PubMed:18086858, PubMed:18957423, PubMed:21262353, PubMed:22155184, PubMed:22647378, PubMed:22699938). In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome (PubMed:17524503, PubMed:18077326, PubMed:18086858, PubMed:18957423, PubMed:21262353, PubMed:22155184, PubMed:22647378, PubMed:22699938). 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 (PubMed:17524503, PubMed:18077326, PubMed:18086858, PubMed:18957423, PubMed:21262353, PubMed:22155184, PubMed:22647378, PubMed:22699938). Also acts as a coactivator for other transcription factors, such as NR5A2 (PubMed:22187462). Promotes epithelial to mesenchymal transition/mesenchymal to epithelial transition (EMT/MET) via driving transcription of CTNNB1/TCF-target genes (PubMed:29910125). Involved in the regulation of cell adhesion, as component of an E-cadherin:catenin adhesion complex (By similarity). Acts as a negative regulator of centrosome cohesion (PubMed:18086858). Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization (PubMed:21262353). Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2 (PubMed:18957423). Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML (PubMed:22155184). Promotes neurogenesis by maintaining sympathetic neuroblasts within the cell cycle (By similarity). Involved in chondrocyte differentiation via interaction with SOX9: SOX9-binding competes with the binding sites of TCF/LEF within CTNNB1, thereby inhibiting the Wnt signaling (By similarity). Acts as a positive regulator of odontoblast differentiation during mesenchymal tooth germ formation, via promoting the transcription of differentiation factors such as LEF1, BMP2 and BMP4 (By similarity). Activity is repressed in a MSX1-mediated manner at the bell stage of mesenchymal tooth germ formation which prevents premature differentiation of odontoblasts (By similarity) Key downstream component of the canonical Wnt signaling pathway (PubMed:15132997). 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. 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基因ID	1499
基因名	CTNNB1, Ctnnb1
Swiss	P35222 (https://www.uniprot.org/uniprotkb/P35222/entry), Q02248 (https://www.uniprot.org/uniprotkb/Q02248/entry), Q9WU82 (https://www.uniprot.org/uniprotkb/Q9WU82/entry)
别名	beta Catenin (YD17053),Beta catenin,Beta-catenin,Cadherin associated protein,Catenin (cadherin associated protein),beta 1,88kDa,Catenin beta 1,Catenin beta-1,CATNB,CHBCAT,CTNB1_HUMAN,CTNNB,CTNNB1,DKFZp686D02253,FLJ25606,FLJ37923,beta Catenin (YD17053) Rabbit mAb

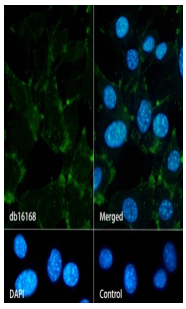
产品验证



Western blot analysis of extracts from Mouse brain tissue using AYD16168 at 1:1000.



Human tonsil was stained with anti-β Catenin rabbit antibody,1:200



Immunofluorescence analysis of NIH/3T3 cells labelling beta Catenin with The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db16168 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 . Nuclear DNA was labeled in blue with DAPI.

实验步骤

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