9853 Pacific Heights Blvd.
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35-1358: beta-catenin (Phospho-Ser715) Antibody

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Rat,Mouse,Human
Gene :	CTNNB1
Gene ID :	1499
Uniprot ID :	P35222
Alternative Name :	Catenin beta-1; CTNB1; CTNNB; CTNNB1
Immunogen Information :	Peptide sequence around phosphorylation site of serine 715 (D-P-S(p)-Y-R) derived from Human beta-catenin.

Description

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

Product Info

Amount :	50 µl / 100 µl
Purification :	Affinity-chromatography
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store at 4°C; For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blotting: 1:500~1:1000

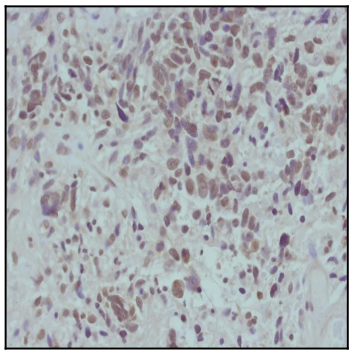

Figure 1: Immunohistochemical analysis of paraffin-embedded human primary glioblastoma multiforme (GBM) specimens using beta-catenin (Phospho-Ser715) Antibody 35-1358 .

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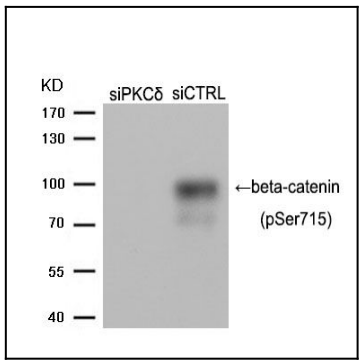

Figure 2: Western blot analysis of extract from U87 cells transfected with either PKCd siRNA targeting or control siRNA were treated withWnt3a (100 ng ml 1) for 8 h. WB was performed with nuclearlysates of the cells with the beta-catenin (Phospho-Ser715) Antibody 35-1358 .