OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM00020PU-N

beta Catenin (CTNNB1) (exon 3) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 9G2]

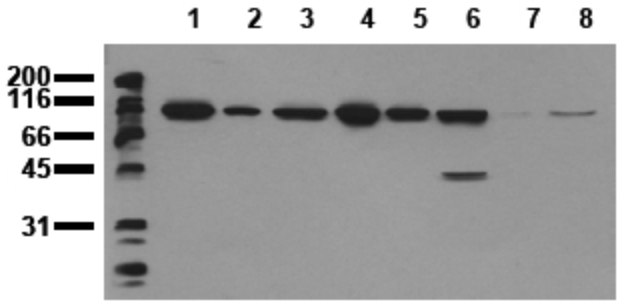
Product data:

Product Type:	Primary Antibodies
Clone Name:	9G2
Applications:	ELISA, IF, IHC, IP, WB
Recommended Dilution:	**ELISA:** 0.05 µg/ml. **Western Blot**: 0.5 µg/ml for HRPO/ECL detection. *Recommended blocking buffer:* Casein/Tween 20 based blocking and blot incubation buffer. **Immunoprecipitation:** 1-10 µg per 10^6 vanadate treated A431 cells. **Immunocytochemistry:** 0.1-1 µg/ml. **Immunohistochemistry on Paraffin Sections.** *Included Positive Control:* Cell lysate from untreated SW480 cells (for details see "**Protocols**").
Reactivity:	Canine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant β-Catenin. Epitope: Exon 3/alpha-Catenin-binding site
Specificity:	This antibody specifically interacts with exon 3 (alpha-Catenin-binding site) of beta-Catenin.
Formulation:	1 ml 2 x PBS containing 0.09% Sodium Azide, PEG and Sucrose State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

View online »

Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	90 kDa
Gene Name:	catenin beta 1
Database Link:	Entrez Gene 1499 Human P35222
Background:	The α-, β- and γ-catenins are cytoplasmic proteins mediating the interaction of Ca2+-dependent transmembrane adhesion molecules (cadherins) with the cytoskeletal network. The direct interaction of β-catenin with the cytoplasmic domain of cadherins plays a crucial role for cell-cell adhesion and signal transmission between neighbouring cells. Recent studies indicate that β-catenin may also play a role in tumorigenesis since it forms complexes with the tumor suppressor gene product APC. β-catenin directly interacts and constitutively activates transcription factors of the TCF/LEF gene family. Thus it is proposed that β-catenin plays a dual role not only in the maintainance and regulation of cell-cell interactions but also in the regulation of gene activity.
Synonyms:	CTNNB1, CTNNB, Beta-catenin
Note:	Protocol: **Positive Control: Cell lysate from untreated SW480 cells.** Formulation: Lyophilized Cell Lysate from Serum starved SW480 cells. Stability: Reconstitute by addition of 200 µl H2O. After complete solubilization add 200 µl 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min. Application: The Positive Control Cell Lysate is recommended for immunoblot applications. Use 20µl molecular weight marker per lane. Note: Use BSA based blot incubation buffers. Milk, Casein and Blotto might interfere with antibody - antigen interaction. Storage: Aliquote and store frozen. Avoid repeated freeze/thaw cycles. Shelf life: one year from despatch.

Product images:



Detection of endogenous beta-Catenin: Whole cell lysates of serum starved tumor cells (20.000 cells/lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab AM00020PU-N (0.5 ug/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). Lane 1: A431 Lane 2: A549 Lane 3: SKOV3 Lane 4: OVCAR5 Lane 5: HaCaT Lane 6: PC3 Lane 7: HeLa Lane 8: HepG2