

CTNNB1 monoclonal antibody, clone BDI480

Catalog # MAB3925

Size 100 ug

Applications

Western Blot (Cell lysate)

Detection of endogenous CTNNB1 from whole cell lysates of serum starved tumor cells (20,000 cells per lane).

The blot was probed with 0.5 ug/mL CTNNB1 monoclonal antibody, clone BDI480 (Cat # MAB3925) for 1 hour at RT and developed by ECL (exp. time : 30 sec).

Lane 1 : A-431.

Lane 2 : SW480.

Lane 3 : SW620.

Lane 4 : HT-29.

Lane 5 : MCF-7.

Lane 6 : MDA-MB-231.

Lane 7 : T-47D.



Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of CTNNB1.
Immunogen	A synthetic peptide corresponding to CTNNB1.
Host	Mouse
Reactivity	Dog, Human, Mouse

Specificity	Specifically interacts with beta-catenin. The alpha-, beta- and gamma-catenins are cytoplasmic proteins mediating the interaction of Ca ²⁺ -dependent transmembrane adhesion molecules (cadherins) with the cytoskeletal network. The direct interaction of beta-catenin with the cytoplasmic domain of cadherins plays a crucial role for cell-cell adhesion and signal transmission between neighboring cells. Recent studies indicate that beta-catenin may also play a role in tumorigenesis since it forms complexes with the tumor suppressor gene product APC. Beta-catenin directly interacts and constitutively activates transcription factors of the TCF/LEF gene family. Thus it is proposed that beta-catenin plays a dual role not only in the maintenance and regulation of cell-cell interactions but also in the regulation of gene activity. Cross reacts with human, mouse and dog.
Form	Lyophilized
Isotype	IgG1
Recommend Usage	ELISA (0.05 ug/mL) Western Blot (0.5 ug/mL for HRP/ECL detection) Immunocytochemistry (1-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 2x PBS (PEG, sucrose, 0.09% sodium azide)
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Enzyme-linked Immunoabsorbent Assay

- Enzyme Immunoassay