

β -Catenin, N-terminus (exon 2)

clone 7D11

Order No.:	0003-100/b-CAT-7D11

Size (µg) Lot No.:

100

0003S

0	50	56	5
			2
0	00)()
0			
1			

888

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Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope		Immunogen		
lgG2a	human, mouse, dog	WB, ELISA, IP	90 kDa	SW480	N-terminus, e	exon 2	recombinant β-Catenin		
Backgroun	d and Specificity:	Related Products							
The α -, β - and γ -catenins are cytoplasmic proteins mediating the interaction of Ca ²⁺ -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. Mab β -CAT-7D11 specifically interacts with the N-terminus (exon 2) of β -catenin at 90 kDa.							mab to b-catenin (Exon3) #0004-100/b-CAT-9G2 mab to b-catenin (Core) #0005-100/b-CAT-9G10 mab to b-catenin (C-Term/Exon14) #0002-100/b-CAT-7D8 mab to b-catenin (C-Term) #0006-100/b-CAT-10H8 mab to dephospho-b-catenin (aa35-50) #0051-100/b-CAT-7A7 mab to dephospho-b-catenin (aa27-37) #0052-100/b-CAT-8E4 mab to phospho-b-catenin (pY86) #0123-100/b-CAT-24E1		
Purification	supe	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.					mab to phospho-b-catenin (pY654) #0159-100/b-CAT-1B11 For monoclonal antibodies against alpha-catenin, LEF, TFF3, E-, M- and N-Cadherin, please refer to our		
Formulation	n: lyop	hilized from 1 ml F	PBS / 0.09 % Na	Sucrose	website at www.nanotools.de				
Reconstitut	tion: Rec	onstitute with 1 ml	H ₂ O (15 min, R						
Stability:	Upo recc Tha 3 m	long-term storage n reconstitution, a onstituted antibody w aliquots at 37°C onths. id repeated freez	liquote and free can be stored f . Thawed aliquo	n; o 1 year.					
Positive Co		01: Cell lysate fror		480 cells.		1	2 3 4 5 6 7		
Immunoblo	Rec bloc		king buffer: Ca bation buffer, e.	sein/Tween 20 bas g. nanoTools produ PT.		200 116 66 45 31			
Immunopre	cipitation: use	at 1 - 10 µg per 1	0 ⁶ vanadate trea	ated A431 cells					
-	ochemistry: ND					Whole cell lysates lane) were applied membrane. The in	Degenous β-Catenin of serum starved tumor cells (20.000 cell to SDS-PAGE and transferred to a PVDI munoblot was probed with mab b-Cat-7C at RT and developed by ECL (exp. time:		
ELISA:	use All products a use only. Not		lane 1: A431; lane 2:SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF7; lane 6: MDA-MB231; lane 7: T47D						