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Mouse Monoclonal Antibody to

	β-Catenin, dephospho clone 7A7								
	Order No.: Size (μg) Lot No.:		0051-100/b-CAT-7A7 100 0051S			02/1403	07F		
	Isotype	Species Reactiv	vity Applications	Mol. Weight	Ref.Cell Line	Epitope		Immu	
	lgG1	human, mouse, c	dog WB, ELISA, ICC, IHC (PS)	90 kDa	SW480	aa 35-50		peptide KLH	
	Backgroun	d and Specificity	<u>/:</u>				Related Pro	oducts	
	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-7A7 specifically interacts with cytoplasmic dephospho β-catenin.Purification:The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size							mab to b-catenin (N-T #0003-100/b-CAT-7D11 mab to b-catenin (Exc #0004-100/b-CAT-9G2 mab to b-catenin (Cor #0005-100/b-CAT-9G10 mab to b-catenin (C-T #0002-100/b-CAT-7D8 mab to b-catenin (C-T #0002-100/b-CAT-7D8 mab to b-catenin (C-T #0006-100/b-CAT-10H8 mab to dephospho-b- #0052-100/b-CAT-8E4 mab to phospho-b-cat #0123-100/b-CAT-24E1 mab to phospho-b-cat #0159-100/b-CAT-1B11	
Formulation:		n:	exclusion chromatography. Iyophilized from 1 ml 2 x PBS / 0.1 % Na-azide / PEG and Sucrose.				For monoclonal antibodies aga TFF3, E-, M- and N-Cadherin, website at www.nanotools.de		
Reconstitution:			Reconstitute with 1 ml H_2O (15 min, RT).						
Stability:			For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.						
			Avoid repeated freeze / thaw cycles.				200— 🕳	12	
Positive Control: Immunoblotting:			#0803: Cell lysate from LiCl - treated SW480 cells.				116 —		
		-	0.5 μg/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.				45	100	
Immunoprecipitation:		cipitation:	ND				Detection of endogenous β-0		
Immunocytochemistry:		ochemistry:	use at 1 - 10 μg/ml				Whole cell lysates of serum sta per lane) were applied to SDS PVDF membrane. The immune		
ELISA:		I	use at 0.05 μg/ml				b-Cat-7A7(0.5 µg/ ml) for 1h at (exp. time: 30 sec).		
							lane 1: A431; lane	2:SW480; la	

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.

nin (N-Term/Exon2) 7D11

Immunogen

peptide conjugated to

enin (Exon3) 9G2

enin (Core) 9G10

enin (C-Term/Exon14) 7D8

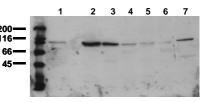
enin (C-Term) -10H8

ospho-b-catenin (aa27-37) -8E4

oho-b-catenin (pY86) 24E1

pho-b-catenin (pY654) -1B11

tibodies against alpha-catenin, LEF, N-Cadherin, please refer to our notools de



ogenous β-Catenin

of serum starved tumor cells (20.000 cells lied to SDS-PAGE and transferred to a The immunoblot was probed with mab ml) for 1h at RT and developed by ECL

lane 1: A431; lane 2:SW480; lane 3: SW620; lane 4: HT29; lane 5: MCF7; lane 6: MDA-MB231; lane 7: T47D