. Rabbit mAb

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Cell Signaling β2-Adrenergic Receptor (D6H2) TECHNOLOGY® Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324)

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 50-100	Source/Isotype: Rabbit IgG	UniProt ID: #P07550	Entrez-Gene Id: 154
Product Usage Information		pplication /estern Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		β 2-Adrenergic Receptor (D6H2) Rabbit mAb recognizes endogenous levels of total β 2-adrenergic receptor protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human β 2-adrenergic receptor protein.				
Background	cla of me sy sy (no sy kir ari ari (2) an	assified by their unique guanine nucleotide-bi embrane seven times. drophilic loops (1). β2 stem. β2AR stimulatio oradrenaline) acting as stem. β2AR activation essengers cAMP and nases (GRKs) termina restin. β-arrestin bindin ediated signaling (deso). β-adrenergic blockin	e responses to a nding, regulatory The transmemb -Adrenergic Rec on occurs through s neuromodulato results in coupli phosphatidylinos te β2AR signalin ng uncouples the ensitization), and ng agents (beta b	br (AR) subtypes (α 1, α 2 gonists and antagonists α protein-coupled recept rane regions are hydrop eptor (β 2AR) is the mos α the catecholamines ep rs in the central nervous ng to heterotrimeric G p sitol, ultimately leading to g through phosphorylati e receptor from the G pro I initiating clathrin-media lockers) are drugs that I as, cardioprotection afte	Adrenergic receptors ors (GPCR) which trar whobic and are intercor t studied receptor of the inephrine (adrenaline) s system and as hormore roteins and activation to changes in cellular p on of the GPCR and be botein, thereby terminat tited endocytosis (inter polock catecholamines	belong to the family asverse the plasma nected by ne catecholamine and norepinephrine ones in the vascular of the second hysiology. GPCR y recruiting β- ing G protein— nalization) of β2AR from binding to βAR
Background Refere	2.	Dohlman, H.G. et al. (Nobles, K.N. et al. (20 Baker, J.G. et al. (201)11) Sci Signal 4	, ra51.		
Species Reactivity	Spe	ecies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		WB: Western Blotting				
Cross-Reactivity Key		 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 				
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β2-Adrenergic Receptor (D6H2) Rabbit mAb (#8513) Datasheet Without Images Cell Signaling Technology

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