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PBEF/NAMPT (D7V5J) Rabbit mAb

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 52	Source/Isotype: Rabbit IgG	UniProt ID: #P43490	Entrez-Gene Id: 10135		
Product Usage Information	١	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:200			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensi	tivity P	PBEF/NAMPT (D7V5J) Rabbit mAb recognizes endogenous levels of total PBEF/NAMPT protein.						
Source / Purificati		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe415 of human PBEF/NAMPT protein.						
Background Nicotinamide phosphoribosyltransferase (NAMPT; also known as Pre-B cell-enhar catalyzes the synthesis of nicotinamide mononucleotide (NMN) from nicotinamide phosphoribosylpyrophosphate (PRPP), the rate-limiting step in the NAD biosynthe nicotinamide (1,2). NAD biosynthesis mediated by NAMPT plays a critical role in g secretion in pancreatic beta cells (3). Both NAMPT inhibitors and activators have b applications (4,5). NAMPT has intra- and extracellular forms (iNAMPT and eNAMPT iNAMPT by SIRT1 promotes eNAMPT secretion through a nonclassical secretory independent of its enzymatic activity, can induce epithelial-to-mesenchymal transit epithelial cells and promote monocyte differentiation into a tumor-supporting M2 m						5- bathway starting from se-stimulated insulin sought for clinical and deacetylation of way (3,6). eNAMPT, n mammary		
Background Refe	2. 3. 4. 5. 6. 7.	. Imai, S. (2009) <i>Curr Ph</i> . Samal, B. et al. (1994) . Revollo, J.R. et al. (200 . Montecucco, F. et al. (2 . Wang, G. et al. (2014) . Yoon, M.J. et al. (2015) . Soncini, D. et al. (2015) . Audrito, V. et al. (2015)	Mol Cell Biol 1 07) Cell Metab 013) Curr Drug Cell 158, 1324 Cell Metab 21) J Biol Chem 2	4, 1431-7. 6, 363-75. <i>7 Targets</i> 14, 637-43. 34. , 706-17. 289, 34189-204.				
Species Reactivity	j Sp	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buff	••	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	w	WB: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity F	У Х:	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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PBEF/NAMPT (D7V5J) Rabbit mAb (#86634) Datasheet Without Images Cell Signaling Technology

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