នុ Exportin-1/CRM1 (D6V7N) Rabbit mAb





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Applications: W, IP, IHC-P, IF-IC	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 123	Source/Isotype: Rabbit IgG	UniProt ID: #O14980	Entrez-Gene Id: 7514
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemistr Immunofluorescence (istry)		
Storage		0.02% sodium azide. St	core at –20°C. Do n	i), 150 mM NaCl, 100 μg/ ot aliquot the antibody. sion of this product see		ol and less than
Specificity/Sen	sitivity	For a carrier free (BSA and azide free) version of this product see product #49000. Exportin-1/CRM1 (D6V7N) Rabbit mAb recognizes endogenous levels of total exportin-1/CRM1 protein.				n-1/CRM1 protein
Source / Purific	-	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human exportin-1/CRM1 protein.				
Background		known as chromosome hundreds of proteins, r signals (NESs) rich in le form an alpha-helix-loc that these NESs can be binding (6-7). Targets o well as oncoproteins, s biogenesis, where it ca Inhibition of nuclear ex leptomycin B could sup	e region maintenar mRNAs, and rRNAs cucine and other hy op that can bind to modified either by of exportin-1 includ uch as p21 and p2 n export newly for coport has been pur opress HIV replicat	hat are responsible for in ince 1 (CRM1), is a protein (1-3). Exportin-1 binds t ydrophobic amino acids the exportin-1 hydroph y protein modifications of le many tumor suppress 7 (1). In addition, Myc ca med 40S and 60S subun sued for therapeutic app ion by suppressing the a	n essential for nucle o substrates with n (4). These hydropho obic groove (5). Stu or by mutation to re ors, such as Rb, p5: n upregulate expor its from the nucleo plication since the f bility of exportin-1	ear export of uclear export obic sequences dies have shown egulate exportin-1 3, FoxO1, BAF47, as tin-1 during li (8-9). inding that to export the HIV-1
		protein Rev (2, 10). Ove cancer types (11-13). G	erexpression of exp enomic approache -16). The use of va	portin-1 has been associa as and development of ir rious inhibitors of export	ated with poor proc hibitors have ident	nosis in various ified exportin-1 as
Background Re	ferences	 Xu, D. et al. (2012) <i>M</i> Ossareh-Nazari, B. e Fukuda, M. et al. (199 Kutay, U. and Gütting Dong, X. et al. (2009) Vogt, P.K. et al. (2002) Thomas, F. and Kuta Golomb, L. et al. (2005) Wolff, B. et al. (2005) Noske, A. et al. (2005) Shen, A. et al. (2009) Yao, Y. et al. (2009) Schmidt, J. et al. (2015) Boyle, S.M. et al. (2017) Walker, C.J. et al. (2017) Kohutiwitoonchai, N 	t al. (1997) Science 97) Nature 390, 30 ger, S. (2005) Trenc Mat Struct Mol Bio 5) Cell Cycle 4, 908- EMBO J 21, 31-42. y, U. (2003) J Cell 35 (2) Mol Cell 45, 222 7) Chem Biol 4, 139 (2) Neurosurgery 65 Oncol Rep 21, 229 (3) Leukemia 27, 2 (3) Slood 122, 30 (3) Virusdisease 27, 3 (3) Virusdisease	2778, 141-4. 8-11. <i>Is Cell Biol</i> 15, 121-4. <i>ol</i> 16, 558-60. 13. <i>ci</i> 116, 2409-19. 2-32. 9-47. 33-43. 5, 153-9; discussion 159-6 -35. 2357-65. 2-81. 34-44. 357-368.	50.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western 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	W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: Human M: Mouse Mk: Monkey
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