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UBE1L/UBA7 (D6U4S) Rabbit mAb



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Applications: W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit IgG	UniProt ID: #P41226	Entrez-Gene Id: 7318
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage				i), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	'ml BSA, 50% glycero	ol and less than
Specificity/Sens	itivity	UBE1L/UBA7 (D6U4S) Rabbit mAb recognizes endogenous levels of total UBE1L/UBA7 protein. This antibody does not cross-react with either UBE1/UBA1 or UBE1L2/UBA6 proteins.				
Source / Purific	ation			nunizing animals with a s Iman UBE1L/UBA7 prote		rresponding to
Background		member of the ubiqui pregnancy to innate in type 1 interferons α at to type I interferons, b cells, release ISG15 int stimulating interferon and chemotactic respo being covalently conju process analogous to protease Ubp43 (8). IS proteins include the se ubiquitination, ISGylat and Stat1 activity, enh Ubiquitin-activating er activating enzyme for contributes to the dev (12-15). UBE1L/UBA7 h	tin-like protein fam mmune responses (nd β , in addition to both lymphocytes a to culture medium (y secretion by mor onses in neutrophil ugated to other pro ubiquitination (6,7) G15-protein conjug erine protease inhili tion does not targe ancing the cellular nzyme E1-like prote ISG15. Research sti relopment of lung c nas also been implie in which UBE1L/UE	a15), also known as ubiq ily and functions in varia 1). Expression of ISG15 i infection with viruses su nd monocytes, in additio (1,4). ISG15 has been sho ocytes and macrophage s (4,5). ISG15 has also be teins by E1 (Ube1L), E2 (1 . ISG15 is removed from gation (ISGylation) is inde bitor Serpin 2A, PLCy1, E t proteins for degradation response to interferons in/Ubiquitin-activating e udies have suggested the ancer due to compromis cated in the pathogenes BA7 drives ISG15ylation 7).	bus biological pathw is stimulated by cellu ich as influenza B (2, on to some fibroblas own to function as a es, proliferation of n een shown to functio UbcH8) and E3 ligas proteins by the ubio uced by type 1 interf RK1/2, Jak1 and Stat on, rather ISGylation (11). enzyme 7 (UBE1L/UB tat loss of UBE1L/UB sed inhibition of cycl is of acute promyelo	ays from ular exposure to ,3). After exposure to and epithelial a cytokine, atural killer cells, on intracellularly, es via a multi-step quitin processing ferons, and target c1 (9,10). Unlike increases Jak1 BA7) is the BA7 expression lin D1 expression pocytic leukemia
Background Re	ferences	2. Korant, B.D. et al. (1 3. Haas, A.L. et al. (198 4. Knight, E. and Cordo 5. D'Cunha, J. et al. (198 6. Loeb, K.R. and Haas 7. Zhao, C. et al. (2005 8. Malakhov, M.P. et al 9. Malakhov, M.P. et al 10. Hamerman, J.A. et 11. Malakhova, O.A. et 12. McLaughlin, P.M. et 13. Kok, K. et al. (1995 14. Pitha-Rowe, I. et al 15. Feng, Q. et al. (200 16. Shah, S.J. et al. (200	984) J. Biol. Chem. 2 87) J. Biol. Chem. 26 87) J. Biol. Chem. 26 96) Proc. Natl. Acad 96) Proc. Natl. Acad. 9 1002) J. Biol. Chei 1002) J. Biol. Chei	2, 11315-11323. <i>nunol.</i> 146, 2280-2284. <i>d. Sci. USA</i> 93, 211-215. <i>Chem.</i> 267, 7806-7813. <i>ci. USA</i> 102, 10200-1020 <i>n.</i> 277, 9976-9981. <i>n.</i> 278, 16608-16613. <i>ol.</i> 168, 2415-2423. <i>ev.</i> 17, 455-460. <i>ncer</i> 85, 871-6. 75. 64, 8109-15. 7, 3780-8.	5.	

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.
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Cross-Reactivity Key	H: Human Mk: Monkey
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