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## MT1-MMP (D1E4) Rabbit mAb 3 Trask Lane | Da



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Applications: W	<b>Reactivity:</b> H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 50, 62	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P50281	Entrez-Gene Id: 4323	
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000		
Storage				), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	/ml BSA, 50% glycer	ol and less than	
Specificity/Sensitivity		MT1-MMP (D1E4) Rabbit mAb recognizes endogenous levels of total MT1-MMP protein.					
Source / Purific	ation	Monoclonal antibody residues surrounding		unizing animals with a s MT1-MMP protein.	synthetic peptide co	rresponding to	
Background		target extracellular pr other proteases (1). M cellular localization, an transmembrane doma (MT1-MMP, MMP14) is progression (3-6). MT1 accumulating in speci. cells to breach the bas surface is controlled b domain (8). MT1-MMP autocatalytic processin the MT1-MMP proenzy network, which remov found in a protein com MT1-MMP mediated c plays important roles	oteins, including gr latrix metalloprotein and include six distin ain and short cytopl i involved in regulat I-MMP and other m alized structures kn sement membrane by targeted endocyto protease activity ca ng, domain sheddir yme results from cle ves the inhibitory pr nplex with the solub leavage and activat in ECM remodeling in addition to MMP	ily of proteases are a gro owth factors, cell surface hases can be broadly cat ct membrane-type (MT) asmic tail (2). Membrane ing development, angio etalloproteinases promo own as invadopodia, wh (7). The abundance and osis, which may be regu an be further regulated to g, and the interaction w eavage of full-length MT opeptide domain (9). At ble metalloproteinase M ion of MMP2 generate t and tumor invasion (10) 2, including interstitial c	e receptors, adhesic regorized based on metalloproteinases e type-1 matrix met genesis, tissue rem ote tumor cell invas nich remodel the EC presence of MT1-M lated by the MT1-M lated by the MT1-M through homodime ith inhibitory prote 1-MMP by furin in t the cell surface, MT MP2 and the MMP i he active MMP2 col ). MT1-MMP interac	on molecules, and function and a that share a alloproteinase odeling, and tumor ion by M and allow tumor MP at the cell MP cytoplasmic r formation, ins. Activation of he trans-Golgi 1-MMP can be nhibitor TIMP2. lagenase, which ts with a large	
Background Re	eferences	5. Rowe, R.G. and Weis 6. Tang, Y. et al. (2013) 7. Poincloux, R. et al. ( 8. Gingras, D. and Béli 9. Osenkowski, P. et al 10. Sato, H. and Taking	006) <i>Cardiovasc Res</i> oel, A. (2008) <i>Biochir</i> . and Koolwijk, P. (20 ss, S.J. (2008) <i>Trends</i> ) <i>Dev Cell</i> 25, 402-16 2009) <i>J Cell Sci</i> 122, veau, R. (2010) <i>Bioc</i> . (2004) <i>J Cell Physic</i> o, T. (2010) <i>Cancer S</i>	69, 562-73. <i>mie</i> 87, 329-42. 008) <i>Cardiovasc Res</i> 78, 2 5 <i>Cell Biol</i> 18, 560-74. 5. 3015-24. <i>chim Biophys Acta</i> 1803, 6/200, 2-10.	142-50.		
Species Reactiv	/ity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ir	1 5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting					
Cross-Reactivit	у Кеу	H: Human M: Mouse					

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