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Thrombospondin-1 (D7E5F) Rabbit mAb

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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 170	Source/Isotype: Rabbit IgG	UniProt ID: #P07996	Entrez-Gene Id: 7057	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
Storage	S 0	Supplied in 10 mM sodiu 0.02% sodium azide. Sto	m HEPES (pH] re at –20°C. Do	7.5), 150 mM NaCl, 100 not aliquot the antibody	μg/ml BSA, 50% glyce ν.	rol and less than	
Specificity / Sensitivity		Thrombospondin-1 (D7E5F) Rabbit mAb recognizes endogenous levels of total thrombospondin-1 protein.					
Source / Purificatio	n № re	Nonoclonal antibody is p esidues near the amino	roduced by imn terminus of hun	nunizing animals with a s nan thrombospondin-1 p	synthetic peptide corre rotein.	sponding to	
Background	T a d r s d r r t t c c p p t t	The adhesive glycoprotein and mediates interactions lomain, glycosylated pro- netalloproteinases (MMF tructure of THBS1 includ lomain, and multiple thro- lomain, and multiple thro- epeats. Each thrombosp argets. The amino-termin epeats interact with MMI CD47 (1). Through these Is VEGF receptor/NO sig mportant regulator of ma- angiogenesis, inflammati hrombospondin-1 is mai- deaves thrombospondin, plasmin proteases degra protein inhibitor of angiog herapeutic studies may p	in thrombospon s between cells tein that interact Ps), collagens, c des an amino-te ombospondin (T ondin domain inter nal domain inter Ps and CD36, w interactions, TH gnaling, TGFß s uny biological pr on, vascular fur nly regulated by resulting in the de the THBS1 p genesis, the dev provide a benefit	din-1 (THBS1, TSP1) log and the ECM and amor ts with a wide variety of cell receptors, growth fac reminal laminin G-like do SP) repeated sequence nteracts with a distinct ty acts with aggrecan, hep <i>h</i> ile carboxy-terminal re HBS1 exerts diverse effe ignaling, and the NF-kB ocesses, including cell a nction, and cancer devel extracellular proteases release of peptides with protein and down regulate relopment of thrombospe cial approach to the treat	calizes to the extracellu g cells. Thrombospone extracellular targets, ir ctors, and cytokines (1) main, a von Willebrand s designated as type I, pe of cell surface ligar arin, and integrin prote peats bind the thromb- icts on different signali pathway (2-5). Thromi dhesion/migration, ap- opment (2-5). The acti- . The metalloproteinas anti-angiogenic prope- te its activity (6). As TH- ondin-based compound atment of cancer (7,8).	ular matrix (ECM) din-1 is a multi- ncluding matrix b. The protein d factor-binding type II, or type III dds or protein eins. Type I TSP ospondin receptor ng pathways, such bospondin-1 is an optosis, vity of e ADAMTS1 erties. Elastase and IBS1 is an important ds and their use in	
Background Refere	ences 1 2 3 4 5 6 7 8	Resovi, A. et al. (2014) Lawler, P.R. and Lawle Lopez-Dee, Z. et al. (2 Roberts, D.D. et al. (20 Kazerounian, S. et al. (20 Iruela-Arispe, M.L. (20 Mirochnik, Y. et al. (20 Taraboletti, G. et al. (20	Matrix Biol 37, sr, J. (2012) Colo 011) Mediators 012) Matrix Biol (2008) Cell Mol 08) Curr Drug T 08) Curr Drug T 08) Curr Drug T 010) Oncotarge	83-91. d Spring Harb Perspect Inflamm 2011, 296069. 31, 162-9. Life Sci 65, 700-12. argets 9, 863-8. argets 9, 851-62. t 1, 662-73.	Med 2, a006627.		
Species Reactivity	Sp	pecies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	stern blot).	
Western Blot Buffe	r IM 0.:	1PORTANT: For western 1% Tween® 20 at 4°C w	blots, incubate <i>v</i> ith gentle shaki	membrane with diluted ng, overnight.	primary antibody in 5%	ó w/v BSA, 1X TBS,	
Applications Key	w	VB: Western Blotting IP:	Immunoprecipi	tation			

1/1/24, 6:31 AM	Thrombospondin-1 (D7E5F) Rabbit mAb (#37879) Datasheet Without Images Cell Signaling Technology
Cross-Reactivity K	 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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