MMP-9 Antibody	<b>Cell Signaling</b> TECHNOLOGY®			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
	Support:	877-678-TECH (8324)		
#3852	Web:	info@cellsignal.com cellsignal.com		
<b>8</b>	3 Trask Lane   Danvers   Massachusetts   01923   USA			
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 84, 92	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P14780	Entrez-Gene Id 4318	
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sen	sitivity	MMP-9 Antibody detects full length (proenzyme, 92 kDa) and cleaved (active enzyme, 84 kDa) MMP-9.				e, 84 kDa) MMP-9.	
Species predict based on 100% homology	ed to react sequence	Rat					
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys115 of human MMP-9. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		including other proteas the family members, M for normal tissue remo angiogenesis, carcinog correlates with cancer synthesized, MMP exist	ses, growth factor: IMP-2, MMP-3, MM deling during eml enesis, and apopt development (2). ( ts as a latent proe	e a family of proteases to s, cell surface receptors, IP-7, and MMP-9 have by pryonic development, wo osis (2-4). Research stud One mechanism of MMP nzyme. Maximum MMP e inhibitory propeptide d	and adhesion mole een characterized a bund healing, tumo ies have shown tha regulation is trans activity requires pro	ecules (1). Among is important factors or invasion, t MMP activity criptional (5). Once oteolytic cleavage	
Background Re	ferences	1. McCawley, L.J. and Matrisian, L.M. (2001) <i>Curr Opin Cell Biol</i> 13, 534-40. 2. Coussens, L.M. et al. (2002) <i>Science</i> 295, 2387-92. 3. Sternlicht, M.D. et al. (1999) <i>Cell</i> 98, 137-46. 4. Vu, T.H. et al. (1998) <i>Cell</i> 93, 411-22. 5. Nagase, H. et al. (1990) <i>Biochemistry</i> 29, 5783-9.					
Species Reactiv	vity	Species reactivity is det	ermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	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 Ke	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	у Кеу	H: Human					
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