Store at -20C	S100P Antibody		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
7		Support:	877-678-TECH (8324)
#7677		Web:	info@cellsignal.com cellsignal.com
#		3 Trask Lane Danvers Ma	assachusetts 01923 USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 10	Source: Rabbit	UniProt ID: #P25815	Entrez-Gene Id: 6286	
Product Usage Information	-	plication estern Blotting			Dilution 1:1000		
		munoprecipitation			1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensiti	vity S10	S100P Antibody recognizes endogenous levels of total S100P protein.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp50 of human S100P protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	vari diffe filag fam inst prot tiss Eac diva hete inde tiss part intra	ety of cellular proces erentiation. To date, ggrin, repetin, S100F illy. Interestingly, 14 ability. Research stu- tein expression and ue types but are also sh S100 monomer be alent cation in some erodimers that coord ependent) manner. A ue distribution, are lo thers, which suggest	sses, such as cell g 25 members have 25 members have 25 members have 25 members have 26 members have 3100 genes are clu dies have demonsi cancer progression 5 involved in neuro ears two EF-hand r instances). Structu linate binding partm though structurally bocalized in specific ts that each plays a \$100 proteins have	prowth and motility, been identified, inclu- ng it the largest grou- ustered on human cl trated that significar n. S100 proteins prin- nal development (1- notifs and can bind ral evidence shows er proximity in a cal y and functionally sin- cellular compartme a specific role in vari been shown to act	ed architecture, S100 pro- cell cycle progression, tra- uding S100A1-S100A18, up in the EF-hand, calciu hromosome 1q21, a regi tt correlation exists betw narily mediate immune re- 4). up to two molecules of c that S100 proteins form cium-dependent (and sc milar, individual member nts, and display unique p ous signaling pathways. as receptors for extrace	anscription, and , trichohyalin, um-binding protein on of genomic een aberrant S100 esponses in various alcium (or other antiparallel homo- or ometimes calcium- s show restricted protein binding In addition to an	
	tum (6).	ors including pancre	eas, lung, breast, a	nd ovary carcinoma	in. Its expression is incre s (5) in response to trans to tumor development a	scriptional activation	
Background Refere	2. D 3. M 4. S 5. J 6. G	leizmann, C.W. et al Donato, R. (2003) <i>Mi</i> Marenholz, I. et al. (2 Gantamaria-Kisiel, L. Jiang, H. et al. (2012) Gibadulinova, A. et al Irumugam, T. and Lo	crosc Res Tech 60, 004) Biochem Biop et al. (2006) Bioch) J Cancer Res Clir I. (2008) Oncol Rep	, 540-51. hys Res Commun 3 em J 396, 201-14. o Oncol 138, 1-9. o 20, 391-6.			
Species Reactivity	Spec	cies reactivity is dete	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).	
Western Blot Buffe		ORTANT: For wester 6 Tween® 20 at 4°C			ed primary antibody in 59	% w/v BSA, 1X TBS,	
Annlications Key							

Applications Key

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1/1/24, 11:56 AM	S100P Antibody (#7677) Datasheet Without Images Cell Signaling Technology WB: Western Blotting IP: Immunoprecipitation			
Cross-Reactivity Key	 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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