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Phospho-Sox2 (Ser250/Ser251) (A2I7G) Rabbit mAb

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Applications: WB, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 35	Source/Isotype: Rabbit IgG	UniProt ID: #P48431	Entrez-Gene Id: 6657
Product Usage Information	W	pplication /estern Blotting nmunoprecipitation			Dilution 1:1000 1:100	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		rol and less than
Specificity / Sensitiv		ospho-Sox2 (Ser250/S ally or singly phosphor		Rabbit mAb recognizes 0 and Ser251.	s endogenous levels of	Sox2 protein when
Species predicted to react based on 1009 sequence homology	6	at				
Source / Purificatior				nunizing animals with a s 1 of human Sox2 proteir		de corresponding to
Background	plu tra cel bin de ove rep de ep reg Ph	uripotent capacity and p inscription factors that it lls in a pluripotent state and to thousands of gene velopment (4,5). siRNA erexpression of Oct-4 a program both mouse au monstrates that Sox2 it ithelial tissues, includir gulate target gene expr iosphorylation on these	octential for self includes Oct-4, e (2,3). Chromat e regulatory site A knockdown of and Sox2, along nd human soma s also present in g several gland ression importar and other sites	n the inner cell mass of -renewal (1). Research Sox2, and Nanog forms in immunoprecipitation es, many of which regula either Sox2 or Oct-4 res with additional transcri tic cells to a pluripotent n adult multipotent prog ls, the glandular stomac t for survival and regen s on Sox2 have been ob and consequence of this	studies demonstrate th a transcriptional netwo experiments show that the cell pluripotency and sults in loss of pluripote ption factors Klf4 and c state (7,8). Additional enitors that give rise to h, testes, and cervix. S eration of these tissues served in pluripotent co	at a set of ork that maintains Sox2 and Oct-4 d early embryonic ency (6). Induced e-Myc, can evidence some adult Sox2 is thought to s (9). ells as they undergo
Background Refere	2.1 3.1 5.1 6.1 7. 8.0 9.7	Conley, B.J. et al. (200 Pesce, M. and Schöler Pan, G. and Thomson, Boyer, L.A. et al. (2005 Loh, Y.H. et al. (2006) Matin, M.M. et al. (2007) Takahashi, K. and Yam Okita, K. et al. (2007) Arnold, K. et al. (2011) Van Hoof, D. et al. (2007)	, H.R. (2001) St J.A. (2007) Cel) Cell 122, 947- Nat Genet 38, 4 4) Stem Cells 2 hanaka, S. (2006) Nature 448, 313 Cell Stem Cell	em Cells 19, 271-8. Il Res 17, 42-9. 56. 31-40. 2, 659-68. 6) Cell 126, 663-76. -7. 9, 317-29.		
Species Reactivity	Spe	ecies reactivity is detern	mined by testing	g in at least one approve	ed application (e.g., we	stern blot).
Western Blot Buffer		PORTANT: For western % Tween® 20 at 4°C w		membrane with diluted ng, overnight.	primary antibody in 5%	ó w/v BSA, 1X TBS,
Applications Key	WE	B: Western Blotting IP:	Immunoprecipi	tation		

1/1/24, 2:03 PM	Phospho-Sox2 (Ser250/Ser251) (A2I7G) Rabbit mAb (#92186) Datasheet Without Images Cell Signaling Tec
Cross-Reactivity	 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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