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

Applications: FC-FP	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit	UniProt ID: #P48431	Entrez-Gene Id: 6657
Product Usage	Ар	plication			Dilution
Information	Flo	w Cytometry (Fixe	d/Permeabilized)		1:50
Storage	•	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.			
Specificity / Sensitiv	vity Sox	Sox2 (D6D9) XP [®] Rabbit mAb (PE Conjugate) recognizes endogenous levels of Sox2 protein.			protein.
Species predicted to react based on 100% sequence homology	6	ine, Dog, Horse			
Source / Purification		-	s produced by immunizing animals Gly179 of human Sox2 protein.	with a synthetic peptide corre	sponding to
Product Description	flow	cytometry analysi	chnology antibody is conjugated to s in human cells. This antibody is e njugated Sox2 (D6D9) XP [®] Rabbit	expected to exhibit the same s	
Background	plur tran cells bind deve over repr dem epitl	potent capacity ar scription factors th s in a pluripotent st to thousands of g elopment (4,5). siF rexpression of Oct ogram both mouse ionstrates that Sov nelial tissues, inclu	(ESC) derived from the inner cell n nd potential for self-renewal (1). Re at includes Oct-4, Sox2, and Nanc tate (2,3). Chromatin immunoprecip ene regulatory sites, many of whic RNA knockdown of either Sox2 or C -4 and Sox2, along with additional e and human somatic cells to a plu (2 is also present in adult multipote iding several glands, the glandular xpression important for survival an	search studies demonstrate th g forms a transcriptional netwo bitation experiments show that h regulate cell pluripotency ar Oct-4 results in loss of pluripotency transcription factors Klf4 and ripotent state (7,8). Additional ent progenitors that give rise to stomach, testes, and cervix.	at a set of ork that maintains Sox2 and Oct-4 d early embryonic ency (6). Induced c-Myc, can evidence some adult Sox2 is thought to
Background Referer	2. P 3. P 4. B 5. L 6. M 7. Ta 8. O	esce, M. and Schö an, G. and Thoms oyer, L.A. et al. (20 oh, Y.H. et al. (200 atin, M.M. et al. (2 akahashi, K. and Y kita, K. et al. (200	 2004) Int J Biochem Cell Biol 36, 55 5ler, H.R. (2001) Stem Cells 19, 27 on, J.A. (2007) Cell Res 17, 42-9. 205) Cell 122, 947-56. 6) Nat Genet 38, 431-40. 2004) Stem Cells 22, 659-68. 'amanaka, S. (2006) Cell 126, 663 7) Nature 448, 313-7. 11) Cell Stem Cell 9, 317-29. 	1-8.	
Species Reactivity	Spec	ies reactivity is de	termined by testing in at least one	approved application (e.g., we	estern blot).

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Applications Key

1/1/24, 11:01 AM	Sox2 (D6D9) XP® Rabbit mAb (PE Conjugate) (#67789) Datasheet Without Images Cell Signaling Technol
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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