Oct-4 (9B7) Mouse mAb Image: Coll Signaling to the coll of the coll

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

Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Mouse IgG1	UniProt ID: #Q01860	Entrez-Gene Id: 5460
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Oct-4 (9B7) Mouse mAb detects endogenous levels of total Oct-4 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant human Oct-4 protein.				
Background		embryonic germ cells (for the maintenance of cell differentiation (2,3) marker (4). Oct-4 exists	 A network of ke pluripotent poten Research studies as two splice variants has the ability to 	ighly expressed in undif ey factors that includes C tial, and downregulation have demonstrated tha ants, Oct-4A and Oct-4B confer and sustain pluri	Oct-4, Nanog, and S n of Oct-4 has been t Oct-4 is a useful g (5). Recent studies	ox2 is necessary shown to trigger erm cell tumor have suggested
Background R	eferences	1. Looijenga, L.H. et al. 2. Pesce, M. and Schöle 3. Pan, G. and Thomsor 4. Cheng, L. et al. (2007 5. Takeda, J. et al. (1992 6. Cauffman, G. et al. (2 7. Lee, J. et al. (2006) <i>J B</i>	r, H.R. (2001) <i>Sten</i> n, J.A. (2007) <i>Cell R</i>) <i>J Pathol</i> 211, 1-9.) <i>Nucleic Acids Re</i> 006) <i>Stem Cells</i> 24	n Cells 19, 271-278. es 17, 42-9. s 20, 4613-20. l, 2685-91.		
Species Reacti	vity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		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 K	ley	W: Western Blotting IP:	Immunoprecipita	ition		
Cross-Reactivity Key		H: Human M: Mouse				
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