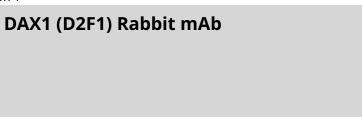
-20C







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Applications: W, IP, IHC-P, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit IgG	UniProt ID: #P51843	Entrez-Gene Id: 190		
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemist Immunofluorescence	ry (Paraffin) (Immunocytochem	<u>,</u>		Dilution 1:1000 1:100 1:400 1:3200		
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/Sen	-	DAX1 (D2F1) recognizes endogenous levels of total DAX1 protein.						
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly330 of human DAX1 protein.						
Background		DSS-AHC critical region on the X chromosome protein 1 (DAX1) is an orphan nuclear receptor encoded by the nuclear receptor subfamily 0 group B member 1 (<i>NR0B1</i>) gene. DAX1 possesses an atypical DNA binding domain that allows it to form heterodimeric complexes with DNA binding partners and repress transcriptional activity (1,2). During development, DAX1 is important for establishment of the hypothalamic-pituitary-adrenal gonadal axis. The receptor is essential for development of several important hormone-producing organs that determine this axis, including the adrenal glands, pituitary, hypothalamus, and the male and female reproductive organs (3,4). Research studies suggest that DAX1 plays a role in maintenance of pluripotency in embryonic stem cells (5,6). Loss of DAX1 function through deletion or mutation results in adrenal insufficiency and hypogonadotropic hypogonadism (7), while duplication of the <i>NR0B1</i> gene on the X-chromosome causes dosage-sensitive sex reversal (8).						
Background Re	eferences	 Iyer, A.K. et al. (2006) <i>Mol Endocrinol</i> 20, 2326-42. Iyer, A.K. and McCabe, E.R. (2004) <i>Mol Genet Metab</i> 83, 60-73. Niakan, K.K. and McCabe, E.R. (2005) <i>Mol Genet Metab</i> 86, 70-83. McCabe, E.R. (2007) <i>Mol Cell Endocrinol</i> 265-266, 179-82. Uranishi, K. et al. (2013) <i>Mol Cell Biol</i> 33, 2056-66. Wang, Q. and Cooney, A.J. (2013) <i>Adv Exp Med Biol</i> 786, 287-306. Jadhav, U. et al. (2011) <i>Mol Cell Endocrinol</i> 346, 65-73. Sanlaville, D. et al. (2004) <i>Am J Med Genet A</i> 128A, 325-30. 						
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot B	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 Ke	еу	W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivit	су Кеу	H: Human						
Trademarks an	d Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
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