For Research Use Only

OCT4 Monoclonal antibody

Catalog Number:60242-1-lg 41 Publications



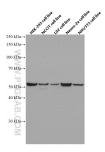
Basic Information	Catalog Number: 60242-1-lg	GenBank Accession Number: BC020712	Purification Method: Protein A purification	
	Concentration: 1000 ug/ml	Genel D (NCBI): 5460	CloneNo.: 1C4B6	
	Source: Mouse	UNIPROT ID: 001860	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:250-1:1000	
	lsotype: lgG1	Full Name: POU class 5 homeobox 1		
	Immunogen Catalog Number: AG1794	Calculated MW: 39 kDa	IW:	
		Observed MW: 50-52 kDa		
Applications	Tested Applications: WB, IHC, ELISA		Positive Controls:	
	Cited Applications: WB, IHC, IF	Cited Applications: NIH/3T3 cells, HT-1		
	Species Specificity:IHC : human breast cancer tissue, humanhuman, mouse, rattissue		man breast cancer tissue, human colon cance	
	Cited Species: human, mouse, rat Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
Background Information	TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0 Expression of the OCT4 transcript embryonic stem cells and germ ce (POU5F1) involved in regulation (ES) and germ cells. Its expression knockdown of OCT4 promotes dif renewal. As such, it is frequently u cells. OCT4 is one of the four key human fibroblasts to a pluripoten	atively, antigen d with citrate d with citrate d with citrate d with citrate d with an undi- ells. OCT4 (Octamer-4) is a homeod of pluripotency during normal devel of pluripotency during normal devel is associated with an undifferentiate ferentiation, thereby demonstrating used as a marker for undifferentiate transcription factors (OCT4, SOX2, c	fferentiated phenotype of human and mouse omain transcription factor of the POU family opment and is detectable in embryonic stem ted phenotype and tumors. In fact, gene a role for this factor in human ES cell self- d ES cells or iPS (induced pluripotent stem) ·MYC, and KLF4) used to reprogram mouse an pecific iPS cells . The calculated molecular kDa.	
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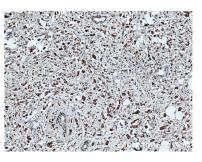
 For technical support and original validation data for this product please contact:

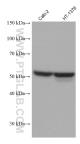
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Selected Validation Data

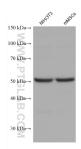






Various lysates were subjected to SDS PAGE followed by western blot with 60242-1-lg (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 60242-1-1g (OCT4 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Various lysates were subjected to SDS PAGE followed by western blot with 60242-1-1g (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 60242-1-1g (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.