For Research Use Only

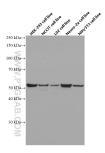
OCT4 Monoclonal antibody

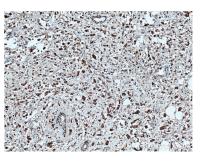
Catalog Number:60242-1-lg 41 Publications

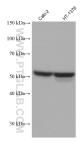


Basic Information	Catalog Number: 60242-1-lg	GenBank Accession Num BC020712	iber:	Purification Method: Protein A purification
	Size:	GenelD (NCBI):		CloneNo.:
	150ul , Concentration: 1000 ug/ml by			1C4B6
	Nanodrop and 445 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: Q01860		Recommended Dilutions: WB 1:5000-1:20000
	Source:	Full Name:		IHC 1:250-1:1000
	Mouse	POU class 5 homeobox 1	L	
	lsotype: lgG1	Calculated MW: 39 kDa		
	Immunogen Catalog Number: AG1794	Observed MW: 50-52 kDa		
Applications	Tested Applications:	Р	Positive Controls: WB : HEK-293 cells, Caki-2 cells, human brain tissue,	
	WB, IHC, ELISA	v		
	Cited Applications: WB, IHC, IF	NIH/3T3 cells, HT-1376 cells, NCCIT cells, L02 cell Neuro-2a cells, mMSCs cells		
	Species Specificity: human, mouse, rat		IHC : human breast cancer tissue, human colon cancer tissue	
	Cited Species: human, mouse, rat			
	Note-IHC: suggested antigen r. TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen		
	bujjer pri 0.0			
Background Information	Expression of the OCT4 transcription embryonic stem cells and germ cells. (POU5F1) involved in regulation of pl (ES) and germ cells. Its expression is knockdown of OCT4 promotes differe renewal. As such, it is frequently used	OCT4 (Octamer-4) is a ho luripotency during normal associated with an undiffe- entiation, thereby demons d as a marker for undiffere iscription factors (OCT4, S ate as well as generate pa	omeodomain l developmen erentiated ph ctrating a role entiated ES ce iOX2, c-MYC, i tient-specific	transcription factor of the POU family nt and is detectable in embryonic stem enotype and tumors. In fact, gene for this factor in human ES cell self- ells or iPS (induced pluripotent stem) and KLF4) used to reprogram mouse and
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Selected Validation Data

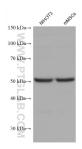






Various lysates were subjected to SDS PAGE followed by western blot with 60242-1-lg (OCT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

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.



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