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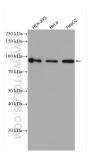
## OCT1 Polyclonal antibody Catalog Number:10387-1-AP Featured Product

14 Publications

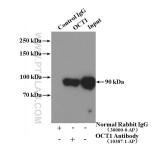


Basic Information	Catalog Number: 10387-1-AP	GenBank Accession Number: BC003571		Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):		Recommended Dilutions:
	150ul , Concentration: 700 ug/ml by	5451		WB 1:2000-1:12000
	Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID: P14859		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:500-1:2000
	Source: Full Name:   Rabbit POU class 2 homeobox 1		х 1	
	Isotype: IgG	Calculated MW: 76 kDa		
	Immunogen Catalog Number: AG0586	Observed MW: 90 kDa		
Applications	Tested Applications: WB, IHC, IF/ICC, IP, ELISA		Positive Controls:	
	Cited Applications:		WB : HEK-293 cells, NCCIT cells, HeLa cells, HepG2 cells	
	WB, IHC, IF, ChIP		IP : HeLa cell	S,
	Species Specificity: human		IHC : human tissue	colon cancer tissue, human lymphoma
	Cited Species: human, mouse, rat, pig	IF/ICC : Hel		cells,
	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	The POU class 2 homeobox 1 (POU2F ubiquitous nuclear protein that regula element(5'-ATTTGCAT-3'). It participa snRNAs, for cell differentiation and pu that modulates activities of tissue-sp [PMID:16322220]. It also acts as a rep and the vascular cell adhesion molec	ates the transcription of ated in the regulation o roliferation [PMID:3462 ecific target genes invo ressor for the cytokine- rule during vascular infl id X receptor, the thyroi	f target genes I f housekeepin 701]. In additi olved in immu inducible, NF- lammation. Ot	by binding to a cis-acting octamer g genes, including histone H2B and on, it functions as a cellular stress senso ne and inflammatory responses kB-dependent expression of E-selectin herwise, it can interact with nuclear
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Notable Publications	The POU class 2 homeobox 1 (POU2F ubiquitous nuclear protein that regula element(5'-ATTTGCAT-3'). It participa snRNAs, for cell differentiation and pr that modulates activities of tissue-sp [PMID:16322220]. It also acts as a rep and the vascular cell adhesion molec hormone receptors, such as the retino influence their transcription activity[ Author Pub Erina Minato 317 Elisa Närvä 356 Ni Zeng 296 Storage: Stora at -20°C. Stable for one year afte Storage Buffer: PBS with 0.02% sodium azide and 50	ates the transcription of ated in the regulation o roliferation [PMID:3462 excific target genes invo ressor for the cytokine- ule during vascular infl id X receptor, the thyroi PMID:17192276]. med ID Journa 58567 Microb 77646 iScien 04329 Mol Ce er shipment. % glycerol pH 7.3.	f target genes I f housekeepin 701]. In additio lived in immu inducible, NF- lammation. Ot id hormone reconstruction d ho	by binding to a cis-acting octamer g genes, including histone H2B and on, it functions as a cellular stress sense ne and inflammatory responses kB-dependent expression of E-selectin herwise, it can interact with nuclear teptor and the glucocorticoid receptor, a Application WB WB

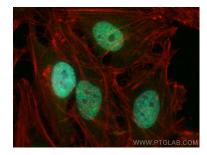
## Selected Validation Data



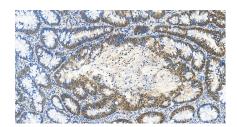
Various lysates were subjected to SDS PAGE followed by western blot with 10387-1-AP (OCT1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-OCT1 (IP:10387-1-AP, 4ug; Detection:10387-1-AP 1:300) with HeLa cells lysate 1600ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using OCT1 antibody (10387-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594phalloidin (red).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 10387-1-AP (OCT1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).