For Research Use Only

FOXA1 Recombinant antibody

Catalog Number:85125-6-RR

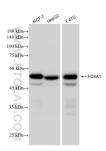


Basic Information	Catalog Number: 85125-6-RR	GenBank Accession Number: BC033890	Purification Method: Protein A purification			
	Size:	GenelD (NCBI):	CloneNo.:			
	100ul , Concentration: 1000 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG		242658F9			
		UNIPROT ID:	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600			
		P55317 Full Name: forkhead box A1 Calculated MW:				
				Immunogen Catalog Number: AG14243	473 aa, 49 kDa	
					Observed MW: 50 kDa	
				Applications	Tested Applications:	Positive C
	WB, IF/ICC, ELISA Species Specificity:		7 cells, HepG2 cells, T-47D cells			
human	IF/ICC : M	CF-7 cells,				
Background Information	expression in differentiated tissues. I proteins through interactions with nu	s thought to act as a 'pioneer' facto cleosomal core histones and therel	by replacing linker histones at target			
	expression in differentiated tissues. I proteins through interactions with nu- enhancer and/or promoter sites. Bind (By similarity). Proposed to play a rol driven transcriptional programs. Its d methylated at 'Lys-5' (H3K4me2) in e- derived organ systems such as liver, p redundant roles (By similarity). Modu ESR1-mediated transcription; require- RPRM promter and is required for the inhibiting the expression of BCL2. Inv conjunction with BRCA1. Originally d	s thought to act as a 'pioneer' facto cleosomal core histones and therel s DNA with the consensus sequence e in translating the epigenetic sigr ifferential recruitment to chromati strogen-regulated genes. Involved bancreas, lung and prostate; FOXA3 lates the transcriptional activity of d for ESR1 binding to the NKX2-1 pr estrogen-induced repression of RPF volved in cell cycle regulation by a iscribed as a transcription activato	r opening the compacted chromatin for othe by replacing linker histones at target e 5'-[AC]A[AT]T[AG]TT[GT][AG][CT]T[CT]-3' natures into cell type-specific enhancer-			
Storage	expression in differentiated tissues. I proteins through interactions with nu- enhancer and/or promoter sites. Bind (By similarity). Proposed to play a rol driven transcriptional programs. Its d methylated at 'Lys-5' (H3K4me2) in e- derived organ systems such as liver, p redundant roles (By similarity). Modu ESR1-mediated transcription; require RPRM promter and is required for the inhibiting the expression of BCL2. Inv conjunction with BRCA1. Originally d albumin, tyrosine aminotransferase, Involved in glucose homeostasis. Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	s thought to act as a 'pioneer' facto cleosomal core histones and therel s DNA with the consensus sequence e in translating the epigenetic sigr ifferential recruitment to chromati strogen-regulated genes. Involved bancreas, lung and prostate; FOXA: lates the transcriptional activity of d for ESR1 binding to the NKX2-1 pr estrogen-induced repression of RPF olved in cell cycle regulation by a iscribed as a transcription activato PEPCK, etc. Interacts with the cis-action er shipment.	r opening the compacted chromatin for othe by replacing linker histones at target e 5'-[AC]A[AT]T[AG]TT[GT][AG][CT]T[CT]-3' natures into cell type-specific enhancer- n is dependent on distribution of histone H3 in the development of multiple endoderm- L and FOXA2 seem to have at least in part f nuclear hormone receptors. Is involved in comoter in breast cancer cells; binds to the RM. Involved in regulation of apoptosis by ctivating expression of CDKN1B, alone or in r for a number of liver genes such as AFP,			
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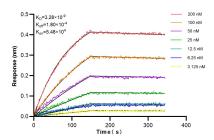
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using FOXA1 antibody (85125-6-RR, Clone: 242658F9) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLL) kinetic assays of 85125-6-RR against Human FOXA1 were performed. The affinity constant is 3.28 nM.

Various lysates were subjected to SDS PAGE followed by western blot with 85125-6-RR (FOXA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.