For Research Use Only

## FOXO1 Polyclonal antibody Catalog Number: 18592-1-AP Featured Product

Featured Product 156 Publications



Basic Information	Catalog Number: 18592-1-AP	GenBank Accession N BC021981	umber:	Purification Method: Antigen affinity purification			
	Size:	GeneID (NCBI): 2308 UNIPROT ID: Q12778		Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:200-1:800			
	150ul , Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG13296						
					Full Name: forkhead box O1 Calculated MW: 655 aa, 70 kDa		
							Observed MW: 70-80 kDa
		Applications	Tested Applications:		Positive Controls:		
			WB, IHC, IF/ICC, FC (Intra), IP, ELISA			WB : DU 145 cells, HEK-293T cells, HepG2 cells, SGC-	
			Cited Applications: WB, IHC, IF, IP, ChIP	7901 cells, mouse brain tissue, rat bra kidney tissue		ouse brain tissue, rat brain tissue, mous	
Species Specificity:			IP : HepG2 ce	lls,			
human, mouse, rat			IHC : human kidney tissue,				
Cited Species: human, mouse, rat, pig, sheep			IF/ICC : HeLa	cells,			
	retrieval may be performed w	in chirale					
	buffer pH 6.0						
Background Information	FOXO1, also named as FOXO1A, FKF factors. FOXO1 is a transcription fact interacts with LRPPRC and SIRT1. In t regulation of CDKN1B levels which a contains three predicted protein kina	or which acts as a regul he presence of KIRT1, F re required for cell tran use B phosphorylation s the variant t(1;13) tran	ator of cell resp OXO1 mediate sition from pro ites (Thr-24, Se slocations gene	oonses to oxidative stress. FOXO1 s down-regulation of cyclin D1 and up- liferative growth to quiescence. FOXO1 r-256, and Ser-319) that are conserved in erate PAX3/FKHR and PAX7/FKHR fusion			
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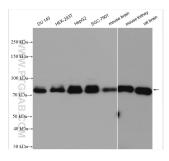
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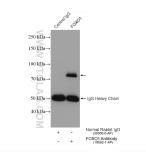
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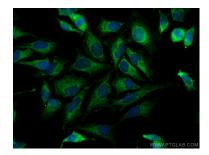
## Selected Validation Data



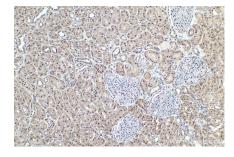
Various lysates were subjected to SDS PAGE followed by western blot with 18592-1-AP (FOXO1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



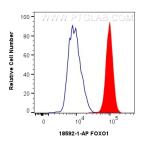
IP result of anti-FOXO1 (IP:18592-1-AP, 4ug; Detection:18592-1-AP 1:2000) with HepG2 cells lysate 960 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FOXO 1 antibody (18592-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 18592-1-AP (FOXO 1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 Daudi cells were intracellularly stained with 0.4 ug FOXO1 Polyclonal antibody (18592-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (3000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).