## For Research Use Only

## ATOX1 Polyclonal antibody Catalog Number:22641-1-AP 4 Publications



Basic Information	Catalog Number: 22641-1-AP	GenBank Accession Number: BC112248	Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 550 ug/ml by Nanodrop; Source: Rabbit	GeneID (NCBI): 475 UNIPROT ID: 000244 Full Name:	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500	
	Isotype: IgG	ATX1 antioxidant protein 1 homolog (yeast)		
	Immunogen Catalog Number: AG18460	Calculated MW: 68 aa, 8 kDa		
		Observed MW: 7 kDa		
Applications	Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:		
	Cited Applications: WB, IF Species Specificity:		WB : A375 cells, A549 cells, HEK-293T cells, NCI-H129 cells, HEK-293 cells	
		IHC : human	liver cancer tissue,	
	human	IF/ICC : PC-3 cells,		
	Cited Species: human, mouse			
	Note-IHC: suggested antigen ( TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen		
	bujjer pri 0.0			
Background Information	Antioxidant 1 (ATOX1) is a copper ch binds to copper and transfer to ATPas various copper-dependent oxidered protein could protect cells against ov inflammatory response and antioxid plays an important role in the physic cerebral cortex and hippocampus (PM	e proteins in the trans-Golgi network, ictases matured within the secretory v idative damage and the expression le ant defense, even to modulate respon- logy of the human central nervous sys-	resicles (PMID: 28294521). Also, the evels of ATOX1 may help to the se to the cancer (PMID: 27472369). ATOX1 stem ,and it's highly expressed in the eus location of ATOX1 has been reported	
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in USA), or 1(312) 455-8498 (outside USA)

W: ptglab.com

other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22641-1-AP (ATOX1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 22641-1-AP (ATOX1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 22641-1-AP (ATOX1 Antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using ATOX1 antibody (22641-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).