

For Research Use Only

CIAO1 Polyclonal antibody

Catalog Number: 10295-1-AP



Basic Information

Catalog Number: 10295-1-AP	GenBank Accession Number: BC001395	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9391	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: O76071	IHC 1:50-1:500
Isotype: IgG	Full Name: cytosolic iron-sulfur protein assembly 1 homolog (S. cerevisiae)	IF/ICC 1:10-1:100
Immunogen Catalog Number: AG0349	Calculated MW: 38 kDa	
	Observed MW: 48-55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, PC-3 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human small intestine tissue, human testis tissue
	IF/ICC : HepG2 cells,

Background Information

CIAO1, also named as CIA1 or WDR39, is a essential component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery. CIAO1 seems to specifically modulate the transactivation activity of WT1 and may function to regulate the physiological functions of WT1 in cell growth and differentiation. It may also play a role in chromosome segregation. The predicted MW of this protein is 38 kDa. 10295-1-AP detected 48-55 kDa band because of phosphorylation. And 10295-1-AP do well in IHC and IF detection.

Storage

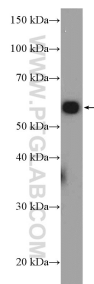
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

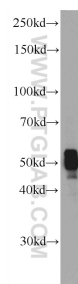
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

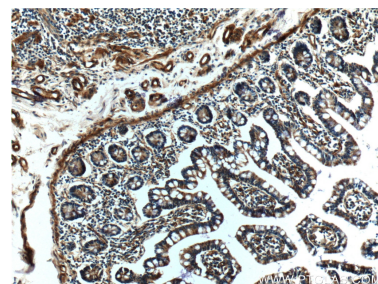
Selected Validation Data



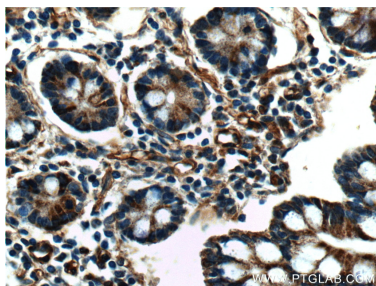
HepG2 cells were subjected to SDS PAGE followed by western blot with 10295-1-AP (CIAO1 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



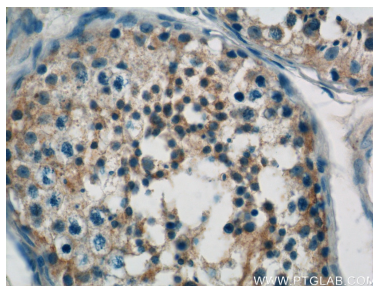
PC-3 cells were subjected to SDS PAGE followed by western blot with 10295-1-AP (CIAO1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



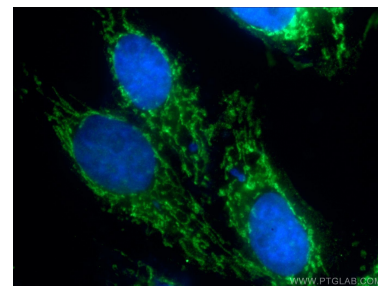
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10295-1-AP (CIAO1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 10295-1-AP (CIAO1 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10295-1-AP (CIAO1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 10295-1-AP (CIAO1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).