

# CIAO1 Polyclonal antibody

Catalog Number: 10295-1-AP

## Basic Information

**Catalog Number:**

10295-1-AP

**Size:**

350 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0349

**GenBank Accession Number:**

BC001395

**GeneID (NCBI):**

9391

**UNIPROT ID:**

O76071

**Full Name:**

cytosolic iron-sulfur protein assembly  
1 homolog (S. cerevisiae)

**Calculated MW:**

38 kDa

**Observed MW:**

48-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

**Positive Controls:**

WB : HepG2 cells, PC-3 cells

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:**

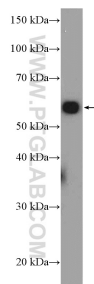
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

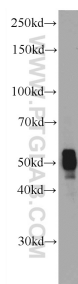
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

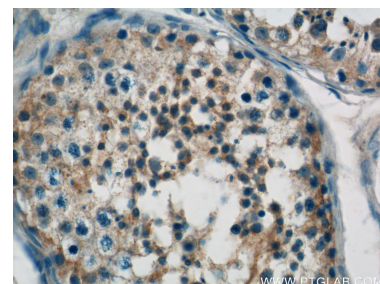
## Selected Validation Data



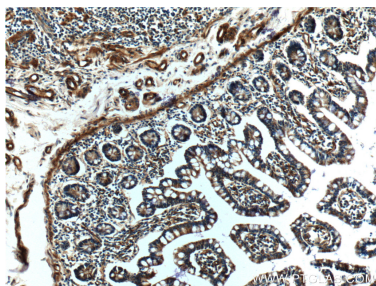
HepG2 cells were subjected to SDS PAGE followed by western blot with 10295-1-AP (CIAO1 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



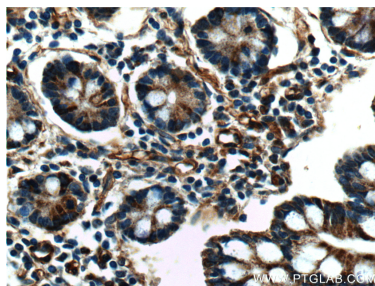
PC-3 cells were subjected to SDS PAGE followed by western blot with 10295-1-AP (CIAO1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



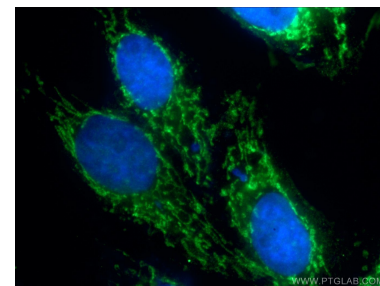
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10295-1-AP (CIAO1 Antibody) at dilution of 1:50 (under 40x lens).



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).



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).