

# Human CIAO1 antibody

Catalog Number: ATGA0261

## PRODUCT INFORMATION

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**Catalog number**

ATGA0261

**Clone No.**

AT6C9

**Product type**

Monoclonal Antibody

**UnitProt No.**

O76071

**NCBI Accession No.**

NP\_004795

**Alternative Names**

Probable cytosolic iron-sulfur protein assembly protein CIAO1, CIA1, WDR39

## PRODUCT SPECIFICATION

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**Antibody Host**

Mouse

**Reacts With**

Human

**Concentration**

1mg/ml (determined by BCA assay)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**

Recombinant human CIAO1 (1-339aa) purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB

**Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

**Storage**

# Human CIAO1 antibody

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

CIAO1 is a essential component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery. It is a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. 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. As part of the mitotic spindle-associated MMXD complex, it may play a role in chromosome segregation.

### General References

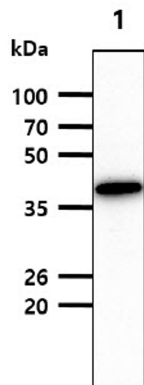
Johnstone, RW., et al. (1998) J Biol Chem 273(18): 10880-7.

Srinivasan, V., et al. (2007) Structure 15: 1246-1257.

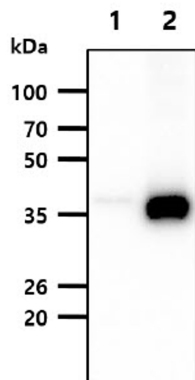
Ito, S., et al. (2010) Mol Cell 39: 632-640.

## DATA

### Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CIAO1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: Jurkat cell lysate



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CIAO1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.  
Lane 1.: 293T cell lysate  
Lane 2.: CIAO1 transfected 293T cell lysate