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Human CIAO1 antibody

Catalog Number: ATGA0261

PRODUCT INFORMATION

Catalog number

ATGA0261

Clone No.

AT6C9

Product type

Monoclonal Antibody

UnitProt No.

076071

NCBI Accession No.

NP 004795

Alternative Names

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

PRODUCT SPECIFICATION

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



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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

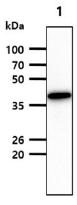
CIAO1 is a essential component of the cytosolic iron-sulfur (Fe/S) protein assembly machinery. It is a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. CIAO1 seems to specifically modulate the transactivation activity of WT1 and may function 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

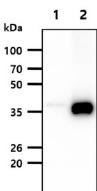
Johnstone, RW., et al. (1998) J Biol Chem 273(18): 10880-7. Srinivasan, V., et al. (2007) Structure 15: 1246-1257. Ito, S., et al. (2010) Mol Cell 39: 632-640.

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



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Lane 1.: 293T cell lysate

Lane 2.: CIAO1 transfected 293T cell lysate

