Product information

Monoclonal anti-human CIAO1 antibody (clone AT6C9)

Mouse IgG_1, κ

Cat. No. IBATGA0261

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

NCBI Accession No.: NP_004795

Isotype: Mouse IgG_1 heavy chain and κ light chain

Clone: Anti-human CIAO1 mAb, clone AT6C9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CIAO1 protein.

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.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:5000.
Recommended starting dilution is 1:1000.

Application: ELISA, WB

Manufactured for:
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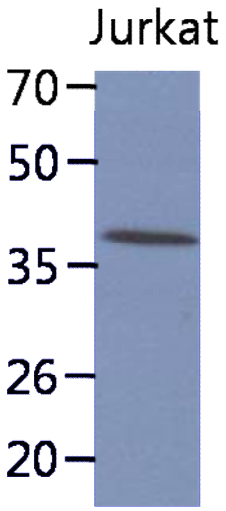
Western blot analysis

The cell lysate of Jurkat (30ug) 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.



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

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