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## CIAO1 (D4E2U) Rabbit mAb



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Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 41	Source/Isotype: Rabbit IgG	UniProt ID: #O76071	Entrez-Gene Id: 9391	
Product Usage Information	•	Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% gly 0.02% sodium azide. Store at $-20^{\circ}$ C. Do not aliquot the antibody.				erol and less than	
Specificity / Sensitivity		CIAO1 (D4E2U) Rabbit mAb recognizes endogenous levels of total CIAO1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe292 of human CIAO1 protein.					
Background	functions, suc oxidative pho proteins are o component 1 incorporates MMS19, XPD which sugges			clusters (ISC) are cofactors for many proteins that display a wide range of biological 5 DNA maintenance, transcription, translation, cellular metabolism, electron transport, and orylation (1). While structurally simple, the synthesis and insertion of ISC into Fe-S elex processes that involve many different proteins. The cytosolic iron-sulfur assembly (CO1) protein is a key component of the cytosolic ISC assembly machinery that into cytoplasmic and nuclear Fe-S proteins in eukaryotic cells (1,2). CIAO1, along with M96B, and ANT2, comprise a complex that localizes to the mitotic spindle during mitosis, role in chromosome segregation (3-6). The CIAO1 protein interacts with Wilms' tumor in (WT1) and may affect its transactivation activity (7).			
Background Refe	tehling, O. et al. (20 o, S. et al. (2010) <i>M</i> ari, K. et al. (2012) tehling, O. et al. (20 eki, M. et al. (2013)	antopoulos, K. (2011) <i>Biochem J</i> 434, 365-81. al. (2013) <i>Cell Metab</i> 18, 187-98. 10) <i>Mol Cell</i> 39, 632-40. 012) <i>Science</i> 337, 243-5. al. (2012) <i>Science</i> 337, 195-9. 2013) <i>J Biol Chem</i> 288, 16680-9. <i>I.</i> et al. (1998) <i>J Biol Chem</i> 273, 10880-7.					

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer** 

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry

milk, 1X TBS, 0.1% Tween® 20 at  $4^{\circ}\text{C}$  with gentle shaking, overnight.

**Applications Key** 

WB: Western Blotting

**Cross-Reactivity Key** 

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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