

**CBWD1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4709c****Specification**

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**CBWD1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BRT8](#)**CBWD1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55871**Other Names**

COBW domain-containing protein 1, Cobalamin synthase W domain-containing protein 1, COBP, NPC-A-6 COBW domain-containing protein 1, NPC-A-6, CBWD1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CBWD1 Antibody (Center) Blocking Peptide - Protein Information****Name** ZNG1A {ECO:0000303|PubMed:35584702, ECO:0000312|HGNC:HGNC:17134}**Function**

Zinc chaperone that directly transfers zinc cofactor to target metalloproteins, thereby activating them. Catalyzes zinc insertion into the active site of methionine aminopeptidase METAP1, which function to cleave the initiator methionine from polypeptides during or after protein translation. Mechanistically, the N-terminal psi-PxLVp motif binds to the C6H2-type zinc finger of inactive form of METAP1. After formation of the docked complex, zinc is transferred from the CXCC motif in the GTPase domain of ZNG1A to the zinc binding site in the peptidase domain of METAP1 in a process requiring GTP hydrolysis. GTP/GDP exchange is required for release of active METAP1.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q8VEH6}.

**Tissue Location**

Ubiquitously expressed. Up-regulated in cultured astrocytes treated with dopamine.

**CBWD1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**CBWD1 Antibody (Center) Blocking Peptide - Images**

**CBWD1 Antibody (Center) Blocking Peptide - References**

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Wong, A., et al. Genomics  
84(2):239-247(2004) Humphray, S.J., et al. Nature 429(6990):369-374(2004)