

CCP4 (aa748-761) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3593a**Specification**

CCP4 (aa748-761) Antibody (internal region) - Product Information

Application	E
Primary Accession	O96MI9
Other Accession	NP_689549.2 , 123624 , 244071 (mouse) , 308724 (rat)
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	125330

CCP4 (aa748-761) Antibody (internal region) - Additional Information**Gene ID** 123624**Other Names**

Cytosolic carboxypeptidase 4, 3.4.17.-, ATP/GTP-binding protein-like 1, AGBL1, CCP4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CCP4 (aa748-761) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CCP4 (aa748-761) Antibody (internal region) - Protein Information**Name** AGBL1 ([HGNC:26504](#))**Function**

Metalloprotease that mediates deglutamylation of tubulin and non-tubulin target proteins. Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein. Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate. Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of non-tubulin proteins such as MYLK.

Cellular Location

Cytoplasm, cytosol.

Tissue Location

Expressed in corneal endothelium.

CCP4 (aa748-761) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCP4 (aa748-761) Antibody (internal region) - Images**CCP4 (aa748-761) Antibody (internal region) - References**

A family of protein-deglutamylating enzymes associated with neurodegeneration. Rogowski K, van Dijk J, Magiera MM, Bosc C, Deloulme JC, Bosson A, Peris L, Gold ND, Lacroix B, Grau MB, Bec N, Larroque C, Desagher S, Holzer M, Andrieux A, Moutin MJ, Janke C. Cell. 2010 Nov 12;143(4):564-78. PMID: 21074048