

CCP2 Polyclonal Antibody

Catalog # AP68892

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q5U5Z8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104194

Additional Information

Gene ID	79841
Other Names	AGBL2; CCP2; Cytosolic carboxypeptidase 2; ATP/GTP-binding protein-like 2
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

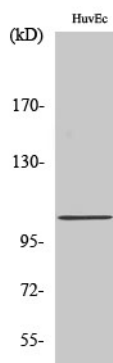
Protein Information

Name	AGBL2 (HGNC:26296)
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 {ECO:0000250 UniProtKB:Q8CDK2}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cytoplasm, cytoskeleton, cilium basal body. Note=Colocalizes with gamma-tubulin in the centrioles and with glutamylated tubulin in the basal bodies of ciliated cells.

Background

Metalloprotease that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes gene-encoded polyglutamates from the carboxy-terminus of target proteins such as MYLK. Does not show dephosphorylation or deglycosylation activities from the carboxy-terminus of tubulin.

Images



Western Blot analysis of various cells using CCP2
Polyclonal Antibody diluted at 1 : 2000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.