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CCP2 Polyclonal Antibody
Catalog # AP68892

Specification

CCP2 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q5U5Z8
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

CCP2 Polyclonal Antibody - 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

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

CCP2 Polyclonal Antibody - Protein Information

Name AGBL2 (HGNC:26296)

Function
Metallocarboxypeptidase 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.

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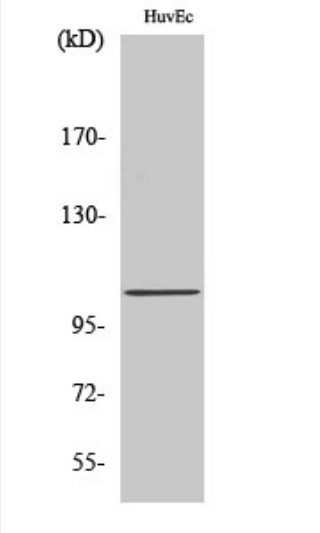
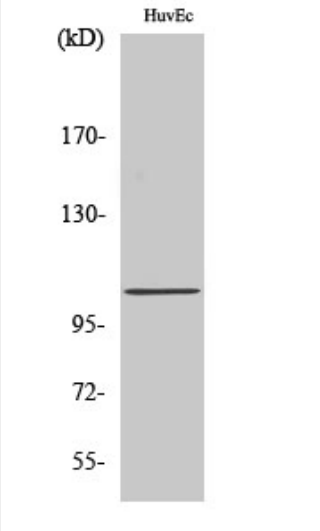
CCP2 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCP2 Polyclonal Antibody - Images





CCP2 Polyclonal Antibody - Background

Metallocarboxypeptidase 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 detyrosinase or deglycylase activities from the carboxy-terminus of tubulin.