

Anti-CCP2 Antibody

Catalog # AP60116

Product Information

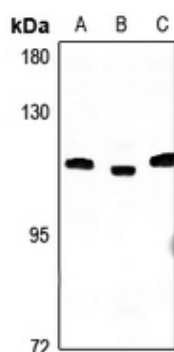
Application	WB, IHC
Primary Accession	Q5U5Z8
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	104194

Additional Information

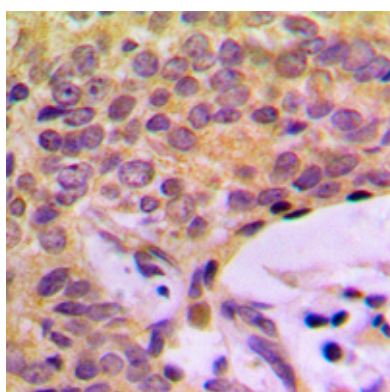
Gene ID	79841
Other Names	CCP2; Cytosolic carboxypeptidase 2; ATP/GTP-binding protein-like 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CCP2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

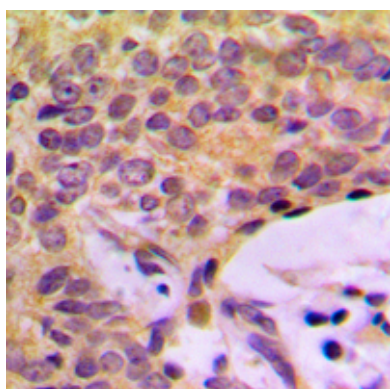
Name	AGBL2 (HGNC:26296)
Function	Metalloprotease that mediates deglutamylation of tubulin and non-tubulin target proteins. Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein. Specifically cleaves tubulin 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.



Western blot analysis of CCP2 expression in AML12 (A), PC12 (B), HeLa (C) whole cell lysates. (Predicted band size: 104 kD; Observed band size: 115 kD)



Immunohistochemical analysis of CCP2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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