

CCP2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01318
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CBCP2. AA range:731-780
Mol wt	104176
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	CCP2 Antibody
Synonyms	AGBL2; CCP2; Cytosolic carboxypeptidase 2; ATP/GTP-binding protein-like 2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The peptidase M14 family of carboxypeptidases (CPs) are involved in various functions throughout the body which include digestion of food and biosynthesis of peptides that function in intercellular signaling. CCP2 (cytosolic carboxypeptidase 2), also known as AGBL2 (ATP/GTP binding protein-like 2), is a 902 amino acid cytoplasmic protein belonging to the peptidase M14 family. CCP2 is considered a metalloproteinase that may play a role in the processing of tubulin. CCP2 binds one zinc ion per subunit as a cofactor and exists as three alternatively spliced isoforms. The gene encoding CCP2 is located on human chromosome 11p11.2. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11.

Recommended Dilution

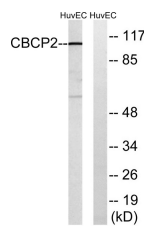
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

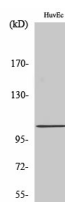
ELISA: 1: 40000

Not yet tested in other applications.

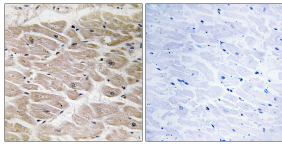
Images



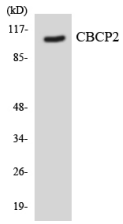
Western blot analysis of lysates from HUVEC cells, using CBCP2 Antibody. The lane on the right is blocked with the synthesized peptide.



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



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using CBCP2 Antibody.
The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using CBCP2 antibody.

Storage

-20°C for one year

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