



# CBPA6 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-05428                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>                   | CPA6 CPAH                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>                 | CBPA6 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                         |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>                    | EC:3.4.17.-;CPA6;Carboxypeptidase B;CBPA6;CPA6 CPAH;Carboxypeptidase A6 (EC 3.4.17.1) (Carboxypeptidase B)                                                                                                                                                                                                                                                                                                                                    |
| <b>Observed Band</b>               | 65 kDa, 51 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Calculated Molecular Weight</b> | 437 aa, 51 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway</b>                | Secreted, extracellular space, extracellular matrix .                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Specificity</b>          | Expressed in the hippocampus, nucleus raphe, and cortex.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>                    | catalytic activity:Release of a C-terminal amino acid, but little or no action with - Asp, -Glu, -Arg, -Lys or -Pro.,cofactor:Binds 1 zinc ion per subunit.,disease:A chromosomal aberration disrupting CPA6 was found in a patient with Duane retraction syndrome (DURS) [MIM:126800]. Translocation t(6;8)(q26;q13)., similarity:Belongs to the peptidase M14 family.,                                                                      |
| <b>Background</b>                  | The gene encodes a member of the peptidase M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature enzyme, which catalyzes the release of large hydrophobic C-terminal amino acids. This enzyme has functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Mutations in this gene may be linked to epilepsy and febrile seizures, and a |

translocation t(6;8)(q26;q13) involving this gene has been associated with Duane retraction syndrome. [provided by RefSeq, May 2016],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images