

## Rabbit anti-Human, Mouse CPA4 Polyclonal Antibody | anti-CPA4 antibody

CPA4 Antibody

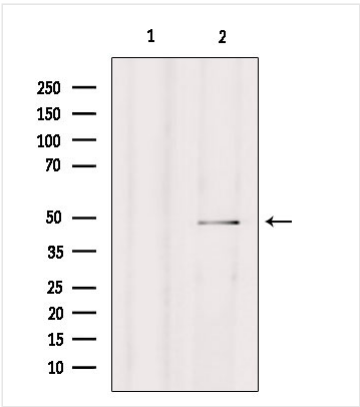
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS        |
|-----------|--------|--------------|---------------------|
| AAA327899 | Rabbit | Human, Mouse | ELISA, Western Blot |

### PRODUCT SYNONYMS

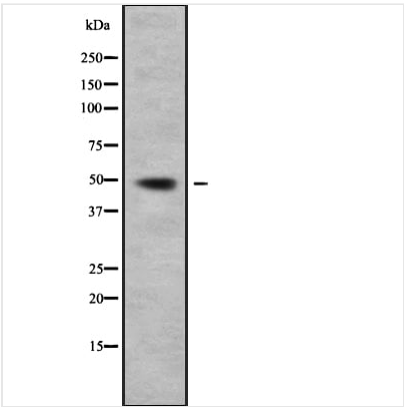
CPA4; Polyclonal Antibody; CPA4 Antibody; Carboxypeptidase A3; Carboxypeptidase A4; CBPA4\_HUMAN; CPA3; Cpa4; anti-CPA4 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human, Mouse                                                                                                                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Isotype                                        | IgG                                                                                                                                                                                                    |
| Specificity                                    | CPA4 antibody detects endogenous levels of total CPA4                                                                                                                                                  |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                                          |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                          |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                                                                                 |
| Sequence Length                                | 388                                                                                                                                                                                                    |
| Applicable Applications for anti-CPA4 antibody | ELISA, WB (Western Blot)                                                                                                                                                                               |
| Immunogen                                      | A synthesized peptide derived from human CPA4                                                                                                                                                          |
| Subcellular Location                           | Secreted.                                                                                                                                                                                              |
| Tissue Specificity                             | Fetal expression in the adrenal gland, brain, heart, intestine, kidney, liver and lung. Except for fetal brain that shows no imprinting, expression was found preferentially from the maternal allele. |
| Predicted Cross Reactivity                     | <b>Rabbit</b>                                                                                                                                                                                          |
| Similarity                                     | Rabbit (82%)                                                                                                                                                                                           |
| Conjugation                                    | Unconjugated                                                                                                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                      |



**WB (Western Blot)**  
Western blot analysis of extracts from Hepg2, using CPA4 Antibody. Lane 1 was treated with the blocking peptide.



**WB (Western Blot)**  
Western blot analysis of CPA4 using 293 whole cell lysates

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CPA4 antibody</b> | Function: Metalloprotease that could be involved in the histone hyperacetylation pathway (PubMed:10383164). Releases a C-terminal amino acid, with preference for-Phe, -Leu, -Ile, -Met, -Tyr and-Val (PubMed:20385563). Subunit Structure: Monomer. Interacts with LXN. Similarity: Belongs to the peptidase M14 family. |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 254540196                             |
| NCBI GeneID                      | 51200                                 |
| NCBI Accession #                 | NP_001156918.1                        |
| NCBI GenBank Nucleotide #        | NM_001163446.1                        |
| UniProt Accession #              | Q9UI42; Q86UY9; B7Z576                |
| Molecular Weight                 | Observed: 47 kDa<br>Predicted: 48 kDa |
| NCBI Official Full Name          | carboxypeptidase A4 isoform 2         |
| NCBI Official Synonym Full Names | carboxypeptidase A4                   |
| NCBI Official Symbol             | CPA4                                  |
| NCBI Official Synonym Symbols    | CPA3                                  |
| NCBI Protein Information         | carboxypeptidase A4                   |
| UniProt Protein Name             | Carboxypeptidase A4                   |
| UniProt Gene Name                | CPA4                                  |
| UniProt Synonym Gene Names       | CPA3                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.