

Rabbit anti-Human, Rat CPZ Polyclonal Antibody | anti-CPZ antibody

CPZ Antibody

CATALOG # AAA327903	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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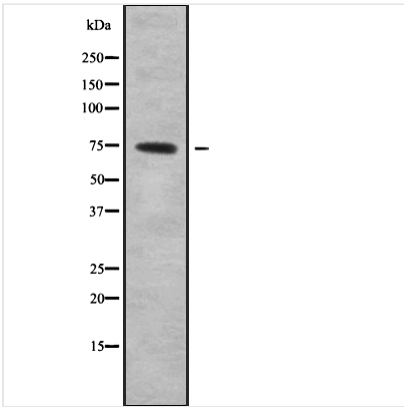
PRODUCT SYNONYMS

CPZ; Polyclonal Antibody; CPZ Antibody; CBPZ; EC=3.4.17.-; MGC99682; anti-CPZ antibody

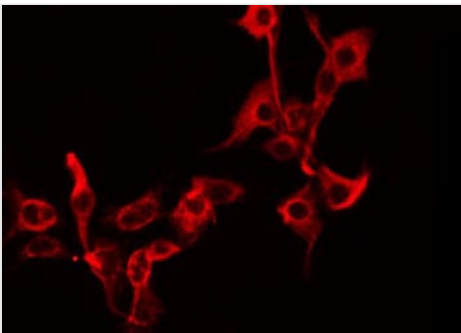
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CPZ antibody detects endogenous levels of total CPZ
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	652
Applicable Applications for anti-CPZ antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CPZ
Subcellular Location	Secreted
Tissue Specificity	In placenta, it is present within invasive trophoblasts and in the surrounding extracellular space. Also present in amnion cells, but is not readily apparent in the extracellular matrix of this cell type. Present in normal pituitary gland and neoplastic pituitary gland (especially POMC-, GH-and PRL-producing adenomas) (at protein level). Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of CPZ using HepG2 whole cell lysates



IF (Immunofluorescence)
AAA327903 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CPZ antibody	Function: Cleaves substrates with C-terminal arginine residues. Probably modulates the Wnt signaling pathway, by cleaving some undefined protein. May play a role in cleavage during prohormone processing. Similarity: Belongs to the peptidase M14 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62388877
NCBI GeneID	8532
NCBI Accession #	NP_001014447.1
NCBI GenBank Nucleotide #	NM_001014447.2
UniProt Accession #	Q66K79; O00520; Q96MX2
Molecular Weight	Observed: 74 kDa Predicted: 74 kDa
NCBI Official Full Name	carboxypeptidase Z isoform 1
NCBI Official Synonym Full Names	carboxypeptidase Z
NCBI Official Symbol	CPZ
NCBI Protein Information	carboxypeptidase Z
UniProt Protein Name	Carboxypeptidase Z
UniProt Gene Name	CPZ
UniProt Synonym Gene Names	CPZ

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.