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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58445_P050-HRP
Product Page	www.avivasysbio.com/cpe-antibody-n-terminal-region-hrp-arp58445-p050-hrp.html
Name	CPE Antibody - N-terminal region : HRP (ARP58445_P050-HRP)
Protein Size (# AA)	476 amino acids
Molecular Weight	52kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	1363
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Carboxypeptidase E
Alias Symbols	CPH
Peptide Sequence	Synthetic peptide located within the following region: GMRRRRRRLQQEDGISFEYHRYPELREALVSVWLQCTAISRIYTVGRSFEG
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Wang,J., (2008) Acta Pharmacol. Sin. 29 (6), 736-744
Description of Target	CPE is a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. This gene encodes a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but not constitutively secreted proteins. Mutations in this gene are implicated in type II diabetes. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	PRKAA1; UBC; LRIF1; POLDIP2; MED31; ROBO2; POLA2; CHD3; TRH; NTS; GTF3C1; UTP14A; RPA1; PMCH; INS; GCG; GAST; CCK; BDNF;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-CPE (ARP58445_P050-HRP) antibody
Blocking Peptide	For anti-CPE (ARP58445_P050-HRP) antibody is Catalog# AAP58445 (Previous Catalog# AAPP34556)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CPE
Uniprot ID	P16870
Protein Name	Carboxypeptidase E
Sample Type Confirmation	CPE is strongly supported by BioGPS gene expression data to be expressed in HepG2 CPE is supported by BioGPS gene expression data to be expressed in MCF7
Protein Accession #	NP_001864
Purification	Affinity Purified
Nucleotide Accession #	NM_001873
Gene Symbol	CPE

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Guinea Pig, Rabbit, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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