



Rabbit Anti-Carboxypeptidase H antibody

SL6478R

Product Name:	Carboxypeptidase H
Chinese Name:	胰羧肽酶E抗体
Alias:	Carboxypeptidase E; Carboxypeptidase-E; Carboxypeptidase H; Carboxypeptidase H precursor; CarboxypeptidaseE; CarboxypeptidaseH; CBPE_HUMAN; CPE; Cph 1; CPH; Cph1; Enkephalin convertase; Entephalin convertase; Prohormone processing carboxypeptidase; Prohormone-processing carboxypeptidase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Carboxypeptidase E:201-300/476
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Removes residual C-terminal Arg or Lys remaining after initial endoprotease cleavage during prohormone processing. Processes proinsulin.

Subcellular Location:

Isoform 1: Cytoplasmic vesicle, secretory vesicle membrane; Peripheral membrane protein. Secreted. Note=Associated with the secretory granule membrane through direct binding to lipid rafts in intragranular conditions.

Isoform 2: Nucleus.

Tissue Specificity:

Isoform 2, but not isoform 1, is overexpressed in hepatocellular carcinoma (at protein level), as well as in other tumors, including pheochromocytomas and paragangliomas.

Similarity:

Belongs to the peptidase M14 family.

SWISS:

P16870

Gene ID:

1363

Database links:

[Entrez Gene: 1363](#)Human

[Entrez Gene: 12876](#)Mouse

[Entrez Gene: 25669](#)Rat

[Omim: 114855](#)Human

[SwissProt: P04836](#)Cow

[SwissProt: P16870](#)Human

[SwissProt: Q00493](#)Mouse

[SwissProt: P15087](#)Rat

[Unigene: 75360](#)Human

[Unigene: 31395](#)Mouse

[Unigene: 470333](#)Mouse

[Unigene: 7149](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

