

## Product datasheet for **TA365581**

### Carboxypeptidase H (CPE) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: NIH/3T3 cell lysate IHC: 30-150 Positive control: Human esophagus cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CPE
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	53 kDa
Gene Name:	carboxypeptidase E
Database Link:	<a href="#">Entrez Gene 1363 Human P16870</a>



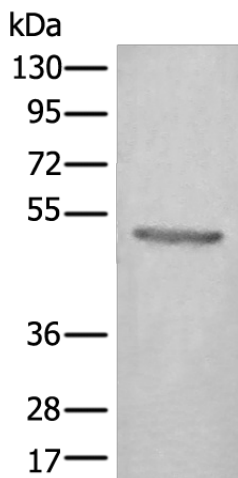
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**Background:**

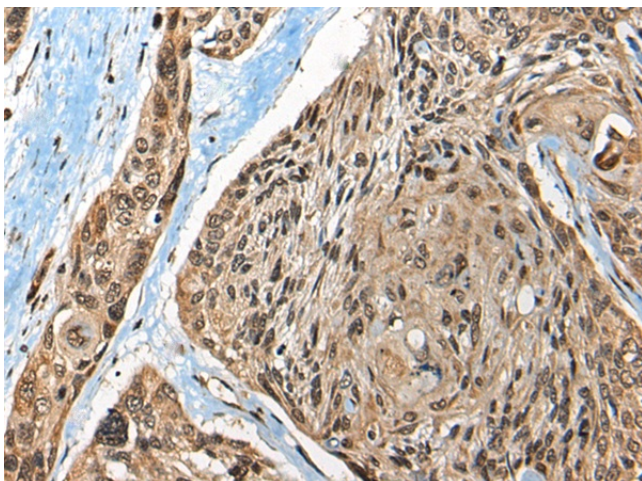
This gene encodes a member of the M14 family of metalloproteases. The encoded preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes.

**Synonyms:**

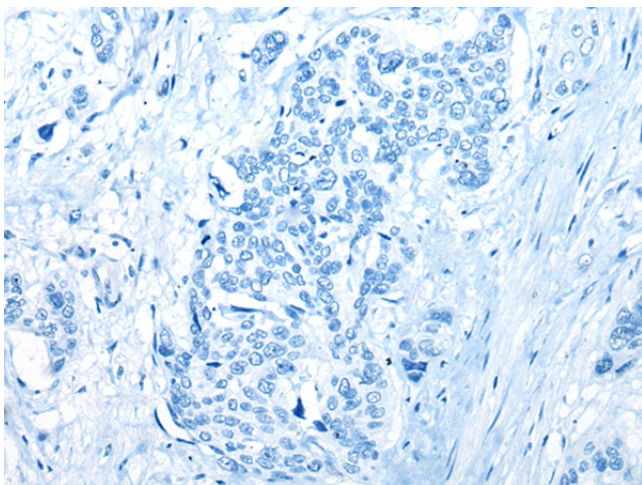
CPH

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: NIH/3T3 cell lysate  
Primary antibody: TA365581 (CPE Antibody) at dilution 1/450  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA365581 (CPE Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA365581 (CPE Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)