

For Research Use Only

CPE Polyclonal antibody, PBS Only

Catalog Number: 13710-1-PBS

Featured Product



Basic Information

Catalog Number:

13710-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4647

GenBank Accession Number:

BC033866

GeneID (NCBI):

1363

UNIPROT ID:

P16870

Full Name:

carboxypeptidase E

Calculated MW:

476 aa, 53 kDa

Observed MW:

50 kDa, 52 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

CPE (Carboxypeptidase E) is also named as CPH. It belongs to the peptidase M14 family and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. The deduced 476-amino acid human protein contains an N-terminal signal peptide, followed by a 'pro' sequence, a polyarginine stretch, and 2 potential N-glycosylation sites.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

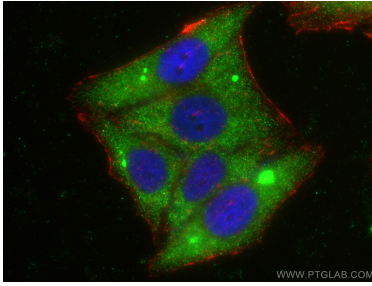
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

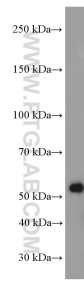
E: proteintech@ptglab.com
W: ptglab.com

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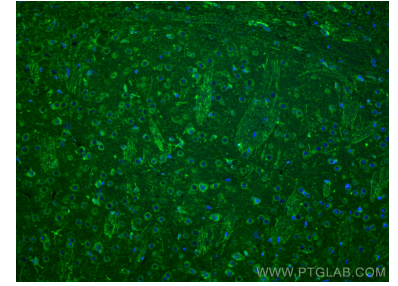
Selected Validation Data



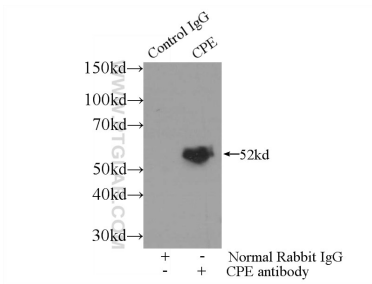
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Carboxypeptidase E antibody (13710-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



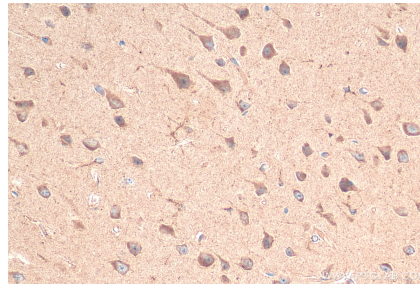
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13710-1-AP (Carboxypeptidase E antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



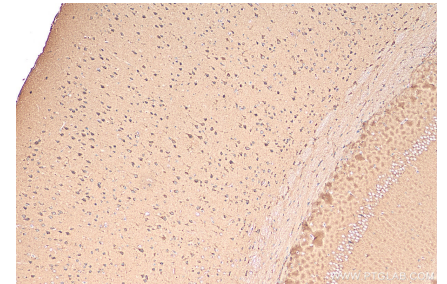
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Carboxypeptidase E antibody (13710-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



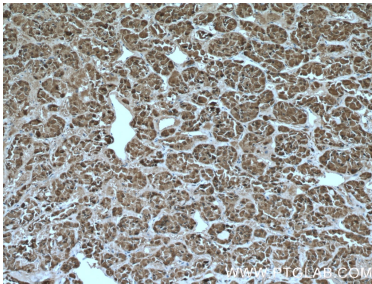
IP result of anti-Carboxypeptidase E (IP:13710-1-AP, 3ug; Detection:13710-1-AP 1:500) with mouse brain tissue lysate 3500ug. This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



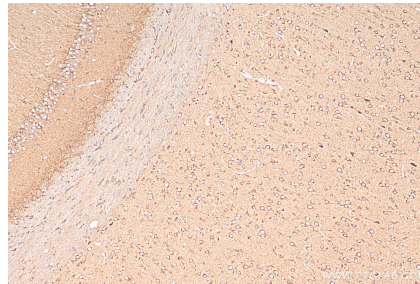
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13710-1-AP (Carboxypeptidase E antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13710-1-AP (Carboxypeptidase E antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human pituitary tissue slide using 13710-1-AP (Carboxypeptidase E antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 13710-1-AP (Carboxypeptidase E antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13710-1-PBS in a different storage buffer formulation.