For Research Use Only

Carboxypeptidase M Polyclonal antibody

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Catalog Number:16440-1-AP

Basic Information

Catalog Number:
16440-1-AP

Size:
133 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9761

GenBank Accession Number:
BC022276

GeneID (NCBI):
1368

UNIPROT ID:
P14384

Full Name:
carboxypeptidase M

Calculated MW:
443 aa, 51 kDa

Observed MW:
54 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB,ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : HEK-293 cells, mouse liver tissue

Background Information

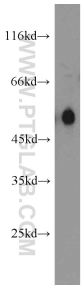
CPM(Carboxypeptidase M), a plasma membrane-bound enzyme, is present in many human organs and differs from other carboxypeptidases that cleave basic C-terminal amino acids(PMID:2394713). CPM is structurally, catalytically and immunologically distinct from other carboxypeptidases, and expressed on cell membranes in a glycosyl-phosphatidylinositol-anchored form and it can be a novel marker and cellular player in lipid uptake and/or metabolism of MAs by promoting foam cell formation (PMID:22157720). This full length protein has a signal peptide with 17 amino acid, a propeptide with 20 amino acid and five glycosylation sites.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16440-1-AP (Carboxypeptidase M antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.