

## Carboxypeptidase M Antibody / CPM (R32609)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R32609      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                    |  |
|--------------------|--|
| Availability       | 1-3 business days  |
| Species Reactivity | Human  |
| Format             | Antigen affinity purified  |
| Host               | Rabbit   |
| Clonality          | Polyclonal (rabbit origin)   |
| Isotype            | Rabbit IgG   |
| Purity             | Antigen affinity   |
| Buffer             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide        |
| UniProt            | P14384   |
| Applications       | Western Blot : 0.1-0.5ug/ml  |
| Limitations        | This Carboxypeptidase M antibody is available for research use only. |



Western blot testing of human HepG2 cell lysate with Carboxypeptidase M antibody at 0.5ug/ml. Expected molecular weight: 51-65 kDa depending on glycosylation level.

### Description

CPM, mapped to 12q15, is known as Carboxypeptidase M. The protein encoded by this gene is a membrane-bound arginine/lysine carboxypeptidase. Its expression is associated with monocyte to macrophage differentiation. This encoded protein contains hydrophobic regions at the amino and carboxy termini and has 6 potential asparagine-linked glycosylation sites. The active site residues of carboxypeptidases A and B are conserved in this protein. Three alternatively spliced transcript variants encoding the same protein have been described for this gene.

## Application Notes

Optimal dilution of the Carboxypeptidase M antibody should be determined by the researcher.

## Immunogen

Amino acids 286-316 (KYPREEKLPSFWNNNKASLIEYIKQVHLGVK-human) were used as the immunogen for the Carboxypeptidase M antibody.

## Storage

After reconstitution, the Carboxypeptidase M antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.