

For Research Use Only

# CA12 Monoclonal antibody, PBS Only



Catalog Number: 68224-1-PBS

## Basic Information

Catalog Number:

68224-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7235

GenBank Accession Number:

BC000278

GeneID (NCBI):

771

UNIPROT ID:

O43570

Full Name:

carbonic anhydrase XII

Calculated MW:

39 kDa

Observed MW:

38-45 kDa

Purification Method:

Protein G purification

CloneNo.:

3E1D8

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human

## Background Information

CA12 belongs to the alpha-carbonic anhydrase family. It reversible hydration of carbon dioxide. Overexpression of the zinc enzyme CA12 is observed in certain human cancers. The structure reveals a prototypical CA fold; however, two CA12 domains associate to form an isologous dimer, an observation that is confirmed by studies of the enzyme in solution.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

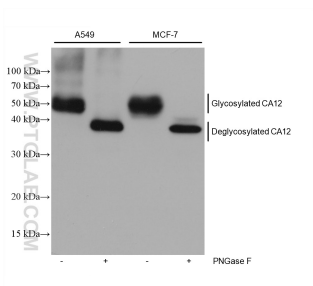
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

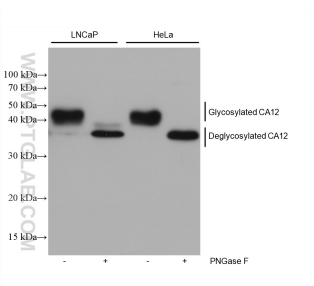
W: [ptgcn.com](http://ptgcn.com)

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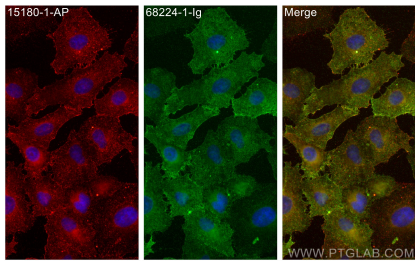
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68224-1-Ig (CA12 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68224-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CA12 antibody (68224-1-Ig, Clone: 3E1D8 ) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68224-1-PBS in a different storage buffer formulation.