

For Research Use Only

# TBC1D2 Polyclonal antibody

Catalog Number: 13251-1-AP



## Basic Information

Catalog Number:

13251-1-AP

Size:

170 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3954

GenBank Accession Number:

BC028918

GeneID (NCBI):

55357

UNIPROT ID:

Q9BYX2

Full Name:

TBC1 domain family, member 2

Calculated MW:

917 aa, 104 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse, rat

## Background Information

TBC1D2, also known as Armus, acts as GTPase-activating protein for RAB7A, a Rab required for lysosome function. Armus is also an effector of Rac1, a small GTPase that regulates cytoskeletal remodeling, migration, and adhesion events. Upon epidermal growth factor (EGF) treatment, Armus regulates E-cadherin degradation during cell scattering but has no effect on cadherin levels at steady state. Armus mediates a crosstalk between Rac1 activation and Rab7 cycling and thus coordinates the function of these two small GTPases during cell scattering. Recently, Armus is found to play an important role in regulating autophagy.

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

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

---

## Selected Validation Data