

# TBC1D2 Polyclonal antibody

Catalog Number: 13251-1-AP

## Basic Information

**Catalog Number:**

13251-1-AP

**Size:**

150ul , Concentration: 173 µg/ml by Bradford method using BSA as the standard;

**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

\*\*\* 20ul sizes contain 0.1% BSA

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

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