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Datasheet for ABIN7171660 **anti-TBC1D7 antibody (AA 1-293) (FITC)**

Overview

Quantity:	100 µg
Target:	TBC1D7
Binding Specificity:	AA 1-293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBC1D7 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human TBC1 domain family member 7 protein (1-293AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TBC1D7
Alternative Name:	TBC1D7 (TBC1D7 Products)
Background:	Background: Component of the TSC-TBC complex, that contains TBC1D7 in addition to the TSC1-TSC2 complex and consists of the functional complex possessing GTPase-activating

Target Details

protein (GAP) activity toward RHEB in response to alterations in specific cellular growth conditions. The small GTPase RHEB is a direct activator of the protein kinase activity of mTORC1 and the TSC-TBC complex acts as a negative regulator of mTORC1 signaling cascade by acting as a GAP for RHEB. Participates in the proper sensing of growth factors and glucose, but not amino acids, by mTORC1. It is unclear whether TBC1D7 acts as a GTPase-activating protein and additional studies are required to answer this question.

Aliases: TBC1D7 antibody, TBC7 antibody, HSPC239 antibody, TBC1 domain family member 7 antibody, Cell migration-inducing protein 23 antibody

UniProt: [Q9P0N9](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.