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# Datasheet for ABIN7171658 anti-TBC1D7 antibody (AA 1-293)

3 Images



#### Overview

Quantity:	100 µg
Target:	TBC1D7
Binding Specificity:	AA 1-293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBC1D7 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant Human TBC1 domain family member 7 protein (1-293AA)
Isotype:	lgG
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

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## Target Details

pr	rotein (GAP) activity toward RHEB in response to alterations in specific cellular growth
CC	onditions. The small GTPase RHEB is a direct activator of the protein kinase activity of
m	TORC1 and the TSC-TBC complex acts as a negative regulator of mTORC1 signaling cascade
by	y acting as a GAP for RHEB. Participates in the proper sensing of growth factors and glucose,
bu	ut not amino acids, by mTORC1. It is unclear whether TBC1D7 acts as a GTPase-activating
pr	rotein and additional studies are required to answer this question.
Al	liases: TBC1D7 antibody, TBC7 antibody, HSPC239 antibody, TBC1 domain family member 7
ar	ntibody, Cell migration-inducing protein 23 antibody

UniProt:

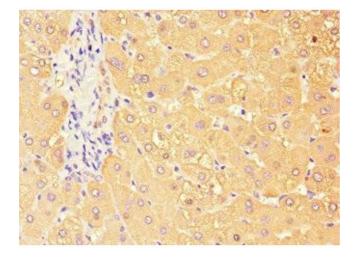
Q9P0N9

## Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
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.

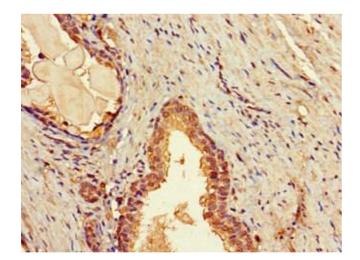


#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7171658 at dilution of 1:100

#### Immunofluorescence

**Image 2.** Immunofluorescent analysis of HepG2 cells using ABIN7171658 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN7171658 at dilution of 1:100

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