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## anti-TBC1D7 antibody





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Quantity:	100 μL
Target:	TBC1D7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBC1D7 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant protein corresponding to Mouse TBC1D7	
Cross-Reactivity:	Human, Rat	
Purification:	Affinity purification	

#### **Target Details**

Target:	TBC1D7
Alternative Name:	TBC1D7 (TBC1D7 Products)
Background:	TBC1 domain family member 7 (TBC1D7, TBC7) belongs to a family of TBC (Tre-
	2/Bub2/Cdc16) containing proteins that function as GTPase-activating proteins (GAPs) .
	TBC1D7 was initially identified as a novel binding protein within the TSC1-TSC2 complex, where
	it was thought to associate with TSC1 . Additional research indicates that TBC1D7 is a third
	subunit of the TSC1-TSC2 complex that possesses Rheb-GAP activity and signals upstream of

### **Target Details**

	mTORC1. Knockdown of TBC1D7 limits the association between TSC1 and TSC2, resulting in
	reduced Rheb-GAP activity and increased mTORC1 signaling . Mutations in the corresponding
	TBC1D7 gene result in increased mTORC1 signaling, delayed autophagy, and are associated
	with intellectual disability (ID) and macrocrania.
Molecular Weight:	36 kDa
Gene ID:	67046

## Application Details

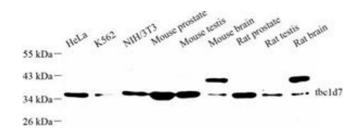
Q9D0K0

Application Notes:	WB (H,M,R) 1: 500- 1: 1000
Restrictions:	For Research Use only

#### Handling

UniProt:

Format:	Liquid
Buffer:	PBS, pH 7.4, 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C



#### **Western Blotting**

**Image 1.** Western blot analysis of tbc1d7 (ABIN7075849) at dilution of 1: 500