Rabbit TBC1D1 Polyclonal Antibody | anti-TBC1D1 antibody

Phospho-TBC1D1 (Ser231) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328530	**Rabbit**	**Human, Mouse, Rat, Monkey**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

TBC1D1; Polyclonal Antibody; Phospho-TBC1D1 (Ser231) Antibody; KIAA1108; TBC 1; TBC; TBC1 (tre 2/USP6; BUB2; cdc16) domain family; member 1; TBC1; TBC1 domain family member 1; Tbc1d1; TBCD1_HUMAN; anti-TBC1D1 antibody

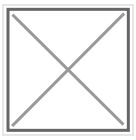
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-TBC1D1 (Ser231) Antibody detects endogenous levels of TBC1D1 only when phosphorylated at Ser231.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1159
Applicable Applications for anti-TBC1D1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TBC1D1 around the phosphorylation site of Ser231.
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

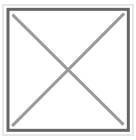
IMAGES

WB (Western Blot)
Western blot analysis of Phospho-TBC1D1 (Ser231) in lysates of 293T, using Phospho-TBC1D1 (Ser231) Antibody.

WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-TBC1D1 (Ser231) Antibody.Lane 1: COS-7 uv treated, treated with blocking peptide;Lane 2: COS-7 uv treated;Lane 3: VERO heat shock treated;Lane 4: B16F10 serum starvation treated.



IHC (Immunohistochemisry)
At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohiostchemistry)
At 1/100 staining rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

IHC (Immunohistochemistry)
At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-TBC1D1 antibody	Description: May act as a GTPase-activating protein for Rab family protein(s). May play a role in the cell cycle and differentiation of various tissues. Involved in the trafficking and translocation of GLUT4-containing vesicles and insulin-stimulated glucose uptake into cells (By similarity). Post Translational Modifications: Insulin-stimulated phosphorylation by AKT family kinases stimulates SLC2A4/GLUT4 translocation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	359807035
NCBI GeneID	23216
NCBI Accession #	NP_001240841.1
NCBI GenBank Nucleotide #	NP_001240841.1
UniProt Accession #	Q86TI0
Molecular Weight	Observed: 133 kDa Predicted: 134 kDa
NCBI Official Full Name	TBC1 domain family member 1 isoform 2
NCBI Official Synonym Full Names	TBC1 domain family member 1
NCBI Official Symbol	TBC1D1
NCBI Official Synonym Symbols	TBC; TBC1
NCBI Protein Information	TBC1 domain family member 1
UniProt Protein Name	TBC1 domain family member 1
UniProt Gene Name	**TBC1D1**
UniProt Synonym Gene Names	KIAA1108
UniProt Entry Name	TBCD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.