

Datasheet for 600-401-J32**TBC1D4 phospho T642 Antibody****Overview**

Description:	Anti-TBC1D4 [p Thr642] (RABBIT) Antibody - 600-401-J32
Item No.:	600-401-J32
Size:	50 µg
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TBC1D4 pT642 is associated with glucose uptake by promoting insulin-induced glucose transporter. The Akt substrate 160 pT649 activation by Akt has been associated with the GLUT4 translocation upon insulin activation in 3T3-L1 cells. Anti-TBC1D4 pT642 antibody is ideal for investigators interested in Signal Transduction research.
Synonyms:	rabbit anti-TBC1D4 pT642 antibody, phosphorylated TBC1D4 antibody, TBC1 domain family member 4, Akt substrate of 160 kDa, AS160, TBC1D4, KIAA0603
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Tbc1d4
Reactivity:	Human, Mouse, Rat
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide
Immunogen:	TBC1D4 pT642 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide surrounding the pT649 site of human TBC1D4 [p Thr642].

Purity/Specificity: Anti-TBC1D4 pT642 is directed against the phosphorylated form of TBC1D4 at residues pT642 and was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with mouse and human based on 100% sequence homology. Cross-reactivity with TBC1D4 pT642 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q8BYJ6](#)

Application Details

Application Note: Anti-TBC1D4 pT642 antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~160kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1: 10,000

IHC: User Optimized

WB: 1ug/ml

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 0.93mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: 30% Glycerol

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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