

Anti-TRB3 TRIB3 Antibody

Catalog Number: A01414

About TRB3

TRB3 was initially identified as a novel kinase-like gene that was overexpressed in multiple human tumors and regulated by hypoxia (1). In the liver, TRB3 binds and inhibits AKT activity, leading to impaired insulin signaling (2), whereas in adipose tissue TRB3 is involved in the regulation of fatty acid oxidation through ubiquitination of Acetyl-CoA carboxylase (3). Endoplasmic reticulum (ER) stress induces TRB3 expression in skeletal muscle, leading to a decrease in insulin signaling and glucose uptake, suggesting that inhibition of TRB3 expression may be a potential therapeutic treatment for managing insulin resistance (4).

Overview

Product Name	Anti-TRB3 TRIB3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TRB3 TRIB3 Antibody (Catalog # A01414). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TRB3 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TRB3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q96RU7

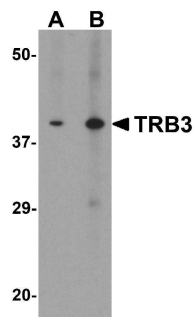
Technical Details

Immunogen	TRB3 antibody was raised against a 17 amino acid peptide near the center of human TRB3. The immunogen is located within amino acids 100 - 150 of TRB3.
Predicted Reactive Species	Bovine
Cross Reactivity	TRB3 antibody is human, mouse and rat reactive. At least two isoforms of TRB3 are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TRB3 antibody is affinity chromatography purified via peptide column.

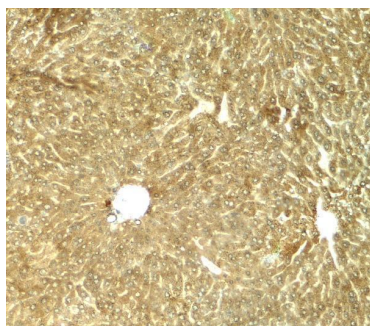
Suggested Dilutions

TRB3 antibody can be used for detection of TRB3 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

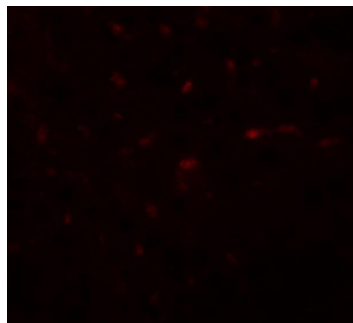
Anti-TRB3 TRIB3 Antibody (A01414) Images



Western blot analysis of TRB3 in mouse kidney tissue lysate with TRB3 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of TRB3 in mouse liver tissue with TRB3 antibody at 5 ug/mL.



Immunofluorescence of TRB3 in mouse liver tissue with TRB3 antibody at 20 ug/mL.

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Anti-TRB3 TRIB3 Antibody

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