

Product datasheet for **TA349143**

TRIB3 Rabbit Polyclonal Antibody

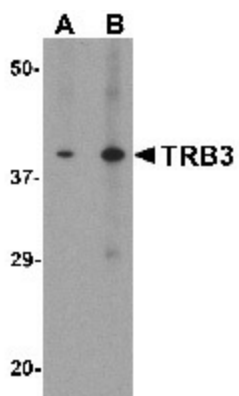
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRIB3 antibody was raised against a 17 amino acid peptide near the center of human TRIB3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	TRIB3 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 39 kDa; Observed: 39 kDa
Gene Name:	tribbles pseudokinase 3
Database Link:	NP_066981 Entrez Gene 57761 Human Q96RU7
Background:	TRIB3 was initially identified as a novel kinase-like gene that was overexpressed in multiple human tumors and regulated by hypoxia (1). In the liver, TRIB3 binds and inhibits AKT activity, leading to impaired insulin signaling (2), whereas in adipose tissue TRIB3 is involved in the regulation of fatty acid oxidation through ubiquitination of Acetyl-CoA carboxylase (3). Endoplasmic reticulum (ER) stress induces TRIB3 expression in skeletal muscle, leading to a decrease in insulin signaling and glucose uptake, suggesting that inhibition of TRIB3 expression may be a potential therapeutic treatment for managing insulin resistance (4).
Synonyms:	C20orf97; NIPK; SINK; SKIP3; TRIB3

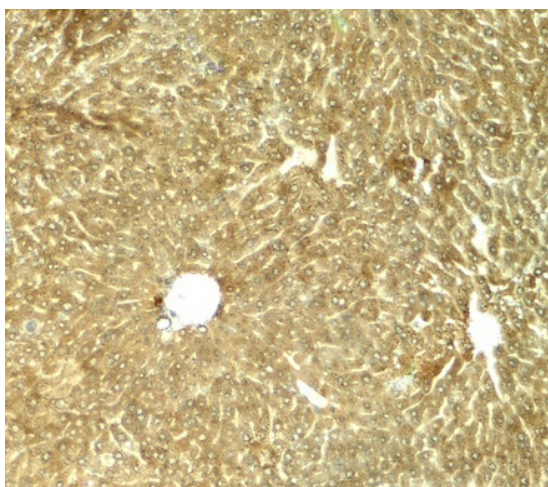


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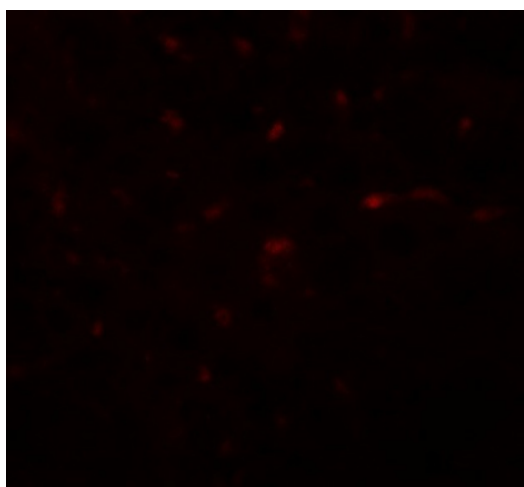
Product images:



Western blot analysis of TRIB3 in mouse kidney tissue lysate with TRIB3 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TRIB3 in mouse liver tissue with TRIB3 antibody at 5 ug/mL.



Immunofluorescence of TRIB3 in mouse liver tissue with TRIB3 antibody at 20 ug/mL.