

Rabbit TRB3 Polyclonal Antibody | anti-TRB3 antibody

TRB3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40564	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

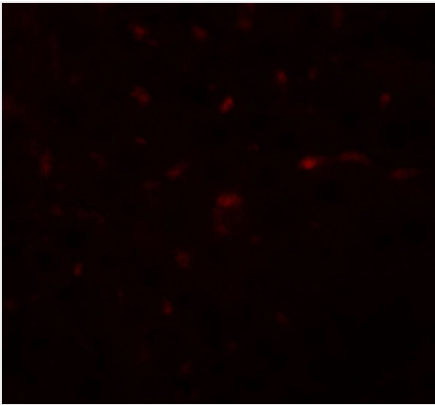
PRODUCT SYNONYMS

TRB3; Polyclonal Antibody; TRB3 Antibody; Tribbles homolog 3; tribbles pseudokinase 3; TRIB3; NIPK; SINK; SKIP3; C20orf97; anti-TRB3 antibody

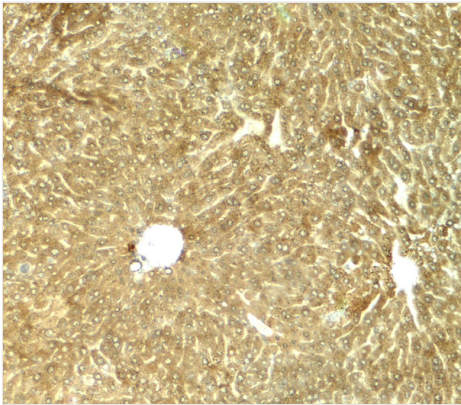
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRB3 antibody is human, mouse and rat reactive. At least two isoforms of TRB3 are known to exist; this antibody will detect both isoforms.
Purity/Purification	TRB3 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	358
Applicable Applications for anti-TRB3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TRB3 antibody was raised against a 17 amino acid peptide near the center of human TRB3.
Buffer	TRB3 antibody is supplied in PBS containing 0.02% sodium azide.
Homology	Predicted species reactivity based on immunogen sequence : Bovine : (76%)
Positive Control	1) - Mouse Kidney Tissue Lysate
Preparation and Storage	TRB3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

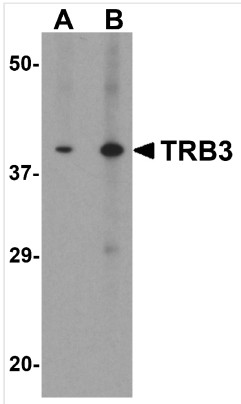
IMAGES



IF (Immunofluorescence)
Immunofluorescence of TRB3 in mouse liver tissue with TRB3 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of TRB3 in mouse liver tissue with TRB3 antibody at 5 μ g/mL.



WB (Western Blot)
Western blot analysis of TRB3 in mouse kidney tissue lysate with TRB3 antibody at (A) 1 and (B) 2 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TRB3 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542265
NCBI GeneID	57761
NCBI Accession #	NP_066981
NCBI GenBank Nucleotide #	NM_021158.4
UniProt Accession #	Q96RU7; Q53GU4; Q53ZW7; Q6I9Y9; Q8TAI6; Q9H5M8; Q9NUD2
Molecular Weight	Predicted: 39 kDa Observed: 39 kDa
NCBI Official Full Name	tribbles homolog 3 isoform 1

NCBI Official Synonym Full Names	tribbles pseudokinase 3
NCBI Official Symbol	TRIB3
NCBI Official Synonym Symbols	NIPK; SINK; TRB3; SKIP3; C20orf97
NCBI Protein Information	tribbles homolog 3; TRB-3; p65-interacting inhibitor of NF-kappaB; p65-interacting inhibitor of NF-kappa-B; neuronal cell death inducible putative kinase; neuronal cell death-inducible putative kinase
UniProt Protein Name	Tribbles homolog 3
UniProt Gene Name	TRIB3
UniProt Synonym Gene Names	C20orf97; NIPK; SKIP3; TRB3; TRB-3
UniProt Entry Name	TRIB3_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/trb3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40564>