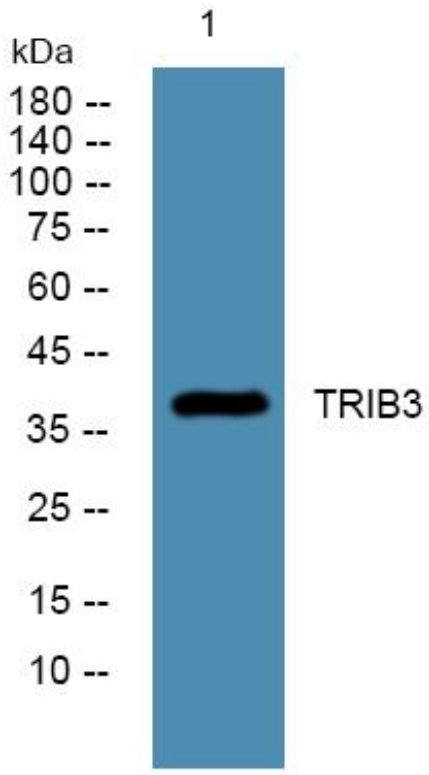
TRIB3 Monoclonal Antibody

Catalog No	BYmab-06753
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TRIB3 C20orf97 NIPK SKIP3 TRB3
Protein Name	Tribbles homolog 3 (TRB-3) (Neuronal cell death-inducible putative kinase) (SINK) (p65-interacting inhibitor of NF-kappa-B)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TRIB3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	39kD
Cell Pathway	Nucleus .
Tissue Specificity	Highest expression in liver, pancreas, peripheral blood leukocytes and bone marrow. Also highly expressed in a number of primary lung, colon and breast tumors. Expressed in spleen, thymus, and prostate and is undetectable in other examined tissues, including testis, ovary, small intestine, colon, leukocyte, heart, brain, placenta, lung, skeletal muscle, and kidney.
Function	caution:The role of this protein in Akt activation has been demonstrated by Du et al (PubMed:12791994) for the mouse ortholog but Iynedjian (PubMed:15469416) has not been able to reproduce the result in rat hepatocytes.,function:Disrupts insulin signaling by binding directly to Akt kinases and blocking their activation. May bind directly to and mask the 'Thr-308' phosphorylation site in AKT1. Binds to ATF4 and inhibits its transcriptional activation activity. Interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity. Interacts with MAPK kinases and regulates

	activation of MAP kinases. May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells. Does not display kinase activity.,induction:By hypoxia, TNF and by nutrient starvation. Expression is PI 3-kinase and/or NF-kappa-
Background	The protein encoded by this gene is a putative protein kinase that is induced by the transcription factor NF-kapMAB. The encoded protein is a negative regulator of NF-kapMAB and can also sensitize cells to TNF- and TRAIL-induced apoptosis. In addition, this protein can negatively regulate the cell survival serine-threonine kinase AKT1. Differential promoter usage and alternate splicing result in multiple transcript variants. [provided by RefSeq, Jul 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TRIB3 Monoclonal Antibody