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TRIB3 Rabbit pAb

Catalog # AP96865

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse TRIB3
Epitope Specificity	171-270/354
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Tribbles subfamily.Contains 1 protein kinase domain.
SUBUNIT	Interacts with AKT1, AKT2, ATF4, MAP2K1 and MAP2K7.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a putative protein kinase that is induced by the transcription factor NF-kappaB. The encoded protein is a negative regulator of NF-kappaB 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]

Additional Information

Other Names	TRIB3_HUMAN; TRIB3; TRB-3; Neuronal cell death-inducible putative kinase; SINK; p65-interacting inhibitor of NF-kappa-B; C20orf97; NIPK; SKIP3; TRB3; tribbles pseudokinase 3; chromosome 20 open reading frame 97; tribbles homolog 3 (Drosophila); p65-interacting inhibitor of NF-κB
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	TRIB3 Rabbit pAb
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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.