

Product Name: TRIB3 (4E15) Rabbit Monoclonal Antibody
Catalog #: AMRe19262

Summary

Production Name	TRIB3 (4E15) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	TRIB3
Alternative Names	C20orf97; NIPK; SINK; SKIP3; TRB3; Trib3; Tribbles homolog 3; Tribbles pseudokinase 3; Tribbles3;
Gene ID	57761.0
SwissProt ID	Q96RU7.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	40kDa

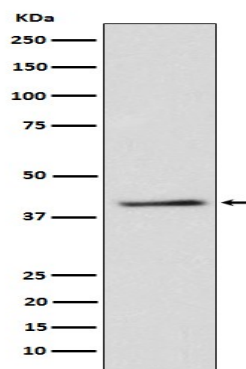
Product Name: TRIB3 (4E15) Rabbit Monoclonal Antibody
Catalog #: AMRe19262

Background

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. Inactive protein kinase which acts as a regulator of the integrated stress response (ISR), a process for adaptation to various stress (PubMed: [15781252](http://www.uniprot.org/citations/15781252), PubMed: [15775988](http://www.uniprot.org/citations/15775988)). Inhibits the transcriptional activity of DDIT3/CHOP and is involved in DDIT3/CHOP-dependent cell death during ER stress (PubMed: [15781252](http://www.uniprot.org/citations/15781252), PubMed: [15775988](http://www.uniprot.org/citations/15775988)). May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells (PubMed: [15781252](http://www.uniprot.org/citations/15781252), PubMed: [15775988](http://www.uniprot.org/citations/15775988)). Acts as a negative feedback regulator of the ATF4-dependent transcription during the ISR: while TRIB3 expression is promoted by ATF4, TRIB3 protein interacts with ATF4 and inhibits ATF4 transcription activity (By similarity). Disrupts insulin signaling by binding directly to Akt kinases and blocking their activation (By similarity). May bind directly to and mask the 'Thr-308' phosphorylation site in AKT1 (By similarity). Interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity (PubMed: [12736262](http://www.uniprot.org/citations/12736262)). Interacts with MAPK kinases and regulates activation of MAP kinases (PubMed: [15299019](http://www.uniprot.org/citations/15299019)). Can inhibit APOBEC3A editing of nuclear DNA (PubMed: [22977230](http://www.uniprot.org/citations/22977230)).

Research Area

Image Data



Western blot analysis of TRIB3 expression in 293T cell lysate.

**Product Name: TRIB3 (4E15) Rabbit Monoclonal
Antibody**
Catalog #: AMRe19262



Note

For research use only.