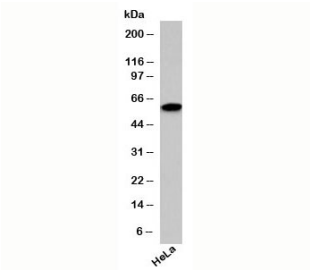
SIN1 Antibody / SAPK interacting protein 1 / MAPKAP1 (N1067)

Catalog No.	Formulation	Size
N1067-100UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug

Bulk quote request

Species Reactivity	Human, Mouse, Rat, Dog
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A purified antibody
Buffer	1X PBS, pH 7.4
Gene ID	79109
Applications	Western blot: 1-3ug/ml
Limitations	This **SIN1 antibody** is available for research use only.



Western blot testing of human samples with SIN1 antibody at 1ug/ml.

Description

mTOR, or Mammalian target of rapamycin, a large protein kinase, is a regulator of cell growth and survival via its mTORC1 (mTOR + GBL + Raptor) and mTORC2 (mTOR + GBL + SIN1 + Rictor) complexes. SIN1 is an essential component of mTORC2, which activates Akt by phosphorylating Ser473. Phosphorylation of SIN1 at Thr86/398 causes its dissociation from the mTORC2 complex, inhibiting mTORC2s kinase activity.

Application Notes

Provided assay concentrations are suggestions only, SIN1 antibody titration may be required for optimal results.

Immunogen

A recombinant protein fragment from the C-terminal region of human SIN1 was used as the immunogen for this antibody.

Storage

Aliquot and store frozen at -20oC or colder to avoid repeated freeze-thaw cycles.

Alternate Names

MAPKAP1, SAPK interacting protein 1, MIP1

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