

Product datasheet for **TA306084**

NKIRAS1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 1 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KappaB ras1 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human KappaB ras1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NFKB inhibitor interacting Ras like 1
Database Link:	AAF34998 Entrez Gene 28512 Human Q9NYS0



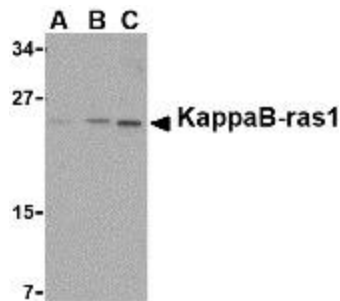
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Background:

KappaB ras-1 (kappaB-ras-1) and kappaB-ras-2 are two small proteins that similar to Ras-like small GTPases that associate with IkappaB (IkappaB), an inhibitor of the transcription factor NF-kappaB. IkappaB exists in two homologous forms, IkappaB-alpha and IkappaB-beta, although IkappaB-beta contains a unique 47-amino acid region within its ankyrin domain. While inactive IkappaB-alpha-NF-kappaB complexes can shuttle in and out of the nucleus, IkappaB-beta-NF-kappaB complexes are retained exclusively in the cytoplasm. It is suggested that kappaB-ras proteins preferentially bind to the IkappaB-beta form through this unique insert within the ankyrin region, thus modulating the cellular location of IkappaB-beta and regulating the rate of degradation of IkappaB-beta. This antibody is specific for kappaB-ras1 and has no cross-reactivity to kappaB-ras2.

Synonyms:

kappaB-Ras1; KBRAS1

Product images:

Western blot analysis of KappaB ras1 in RAW264.7 cell lysate with KappaB ras1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunocytochemistry of KappaB-ras1 in RAW264.7 cells with KappaB-ras1 antibody at 1 ug/mL.