

## Product datasheet for **TA306085**

### NKIRAS2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KappaB ras2 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human KappaB ras2.
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 2
Database Link:	<a href="#">NP_060065</a> <a href="#">Entrez Gene 28511 Human</a> <a href="#">Q9NYR9</a>



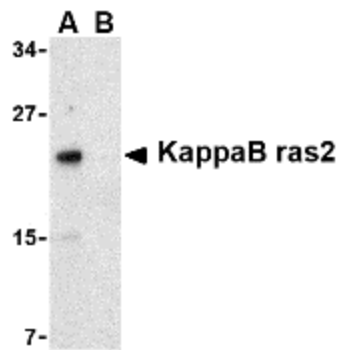
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**Background:**

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-ras2 and has no cross-reactivity to kappaB-ras1.

**Synonyms:**

kappaB-Ras2; KBRAS2

**Product images:**

Western blot analysis of KappaB ras2 in RAW264.7 cell lysate with KappaB ras1 antibody at 1 ug/ml in the (A) absence and (B) presence of blocking peptide.