

KappaB ras Antibody

KappaB ras: NF-kappaB inhibitor-interacting Ras like protein, κB-ras, NKIRAS

CATALOG No.:2491

BACKGROUND:

KappaB ras-1 (κ B-ras-1) and κ B-ras-2 are two small proteins that similar to Ras-like small GTPases that associate with I κ B (I κ B), an inhibitor of the transcription factor NF- κ B (1). I κ B exists in two homologous forms, I κ B- α and I κ B- β , although I κ B- β contains a unique 47-amino acid region within its ankyrin domain (2). While inactive I κ B- α -NF- κ B complexes can shuttle in and out of the nucleus, I κ B- β -NF- κ B complexes are retained exclusively in the cytoplasm (2). It is suggested that κ B-ras proteins preferentially bind to the I κ B- β form through this unique insert within the ankyrin region, thus modulating the cellular location of I κ B- β and regulating the rate of degradation of I κ B- β (1,2). This antibody detects both κ B-ras1 and κ B-ras2.

SOURCE:

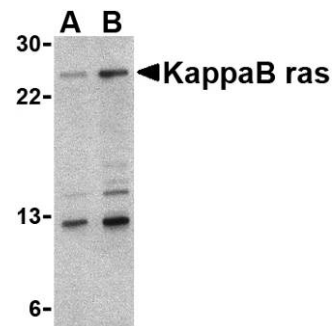
Rabbit polyclonal KappaB ras antibody was raised against an 18 amino acid peptide from near the center of human KappaB ras 1 (GenBank accession no. AAF34998).

APPLICATION:

KappaB ras antibody can be used for detection of KappaB ras by Western blot at 2 – 4 μ g/ml. (Optimal dilution should be determined by user.) 293 cell lysate can be used as positive control. KappaB ras antibody is human, mouse and rat reactive. **For research use only.**

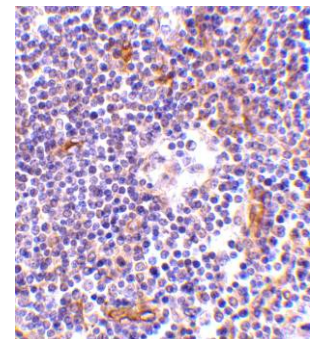
STORAGE:

KappaB ras antibody is supplied as immunoaffinity purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of KappaB ras in 293 cell lysate with KappaB ras antibody at (A) 2 and (B) 4 μ g/ml.

Immunohistochemistry of KappaB ras in human lymph node tissue with KappaB ras antibody at 1 μ g/ml.



RELATED PRODUCTS:

Blocking Peptide, Catalog No. **2491P**.

293 Cell Lysate, Catalog No. **1210**.

KappaB ras1 Antibody, Catalog No. **2493**.

KappaB ras2 Antibody, Catalog No. **2495**.

REFERENCES:

1. Fenwick C, Na SY, Voll RE, et al. A subclass of Ras proteins that regulate the degradation of I κ B. *Science* 2000; 287:869-73.
2. Chen Y, Wu J and Ghosh G. KappaB-Ras binds to the unique insert within the ankyrin repeat domain of I κ B β and regulates cytoplasmic retention of I κ B β x NF- κ B complexes. *J. Biol. Chem.* 2003; 278:23101-6. (07-02D)