YBB825Hu01
50μg

Recombinant Nuclear Factor Kappa B2 (NFkB2)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Pro38~Leu343

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q00653

Host: *E. coli*

Subcellular Location: Nucleus. Cytoplasm.

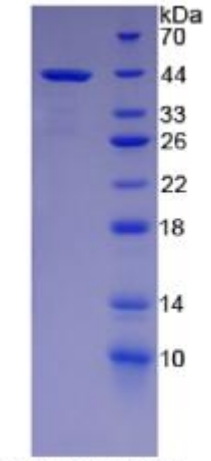
Purity: >95%

Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 9.5

Predicted Molecular Mass: 38.5kDa



15% SDS-PAGE

The possible reasons that the actual band size differs from the predicted are as follows:

Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Note:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.

2. **Relative charge: The composition of amino acids may affects the charge of the protein.**
3. **Post-translational modification: Phosphorylation, glycosylation, methylation etc.**
4. **Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.**
5. **Polymerization of the target protein: Dimerization, multimerization etc.**

[USAGE]

Reconstitute in ddH_2O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8^oC for one month.

Aliquot and store at -80^oC for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37^oC for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

PYL VIVEQPKQ RG FRFRYG CEGP SHGG LPGASS EKG RKTYPTV KICNYEGPAK IEVDLVTHSD PPRAHAHSLV GKQCSELGIC AVSVGPKDMT AQFNNLGVLH VTKKNMMGTM IQKLQRQRLR SRPQGLTEAE QRELEQEAKE LKKVMDLSIV RLRFSAFLRA SDGSFSLPLK PVISQPIHDS KSPGASNLKI SRMDKTAGSV RGGDEVYLLC DKVQKDDIEV RFYEDDENGW QAFGDFSPTD VHKQYAIVFR TPPYHKMKIE RPVTVFLQLK RKRGGDVSDS KQFTYYPLVE DKEEVQRKRR KAL

[REFERENCES]

1. Schmid R.M., *et al.* (1991) Nature 352:733-736.

2. Bours V., *et al.* (1992) Mol. Cell. Biol. 12:685-695.

3. Thakur S., *et al.* (1994) Oncogene 9:2335-2344.

4. Liptay S., *et al.* (1994) Mol. Cell. Biol. 14:7695-7703.