

NFKBIE Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP21348a

Specification

NFKBIE Blocking Peptide (N-term) - Product Information

Primary Accession

[O00221](#)**NFKBIE Blocking Peptide (N-term) - Additional Information**

Gene ID 4794

Other Names

NF-kappa-B inhibitor epsilon, NF-kappa-BIE, I-kappa-B-epsilon, Ikb-E, Ikb-epsilon, IkappaBepsilon, NFKBIE, IKBE

Target/Specificity

The synthetic peptide sequence is selected from aa 109-121 of HUMAN NFKBIE

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NFKBIE Blocking Peptide (N-term) - Protein Information

Name NFKBIE

Synonyms IKBE

Function

Sequesters NF-kappa-B transcription factor complexes in the cytoplasm, thereby inhibiting their activity (PubMed:9315679). Sequestered complexes include NFKB1-RELA (p50-p65) and NFKB1-REL (p50- c-Rel) complexes (PubMed:9135156, PubMed:9315679). Limits B-cell activation in response to pathogens, and also plays an important role in B-cell development (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages

NFKBIE Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NFKBIE Blocking Peptide (N-term) - Images

NFKBIE Blocking Peptide (N-term) - Background

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes.

NFKBIE Blocking Peptide (N-term) - References

Whiteside S.T.,et al.EMBO J. 16:1413-1426(1997).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Li Z.,et al.Mol. Cell. Biol. 17:6184-6190(1997).