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NFKBIE Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21348a

Product Information

Application	WB, E
Primary Accession	O00221
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52459
Calculated MW	52864

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	This NFKBIE antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 109-141 amino acids from the N-terminal region of human NFKBIE.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NFKBIE Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

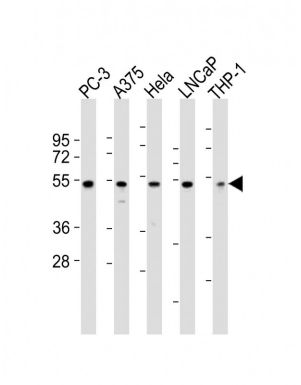
Background

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.

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).

Images



All lanes : Anti-NFKBIE Antibody (N-term) at 1:2000 dilution Lane 1: PC-3 whole cell lysates Lane 2: A375 whole cell lysates Lane 3: Hela whole cell lysates Lane 4: LNCaP whole cell lysates Lane 5: THP-1 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.