

[Go to Product page](#)

Datasheet for ABIN7520370

NFKBIA Protein

Overview

Quantity:	10 µg
Target:	NFKBIA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human IκB-α/NFKBIA Protein
Sequence:	FQAAERPQEW AMEGPRDGLK KERLLDDRHD SGLDSMKDEE YEQMVKELQE IRLEPQEVPR GSEPWKQQLT EDGDSFLHLA IIHEEKALTM EVIRQVKGDL AFLNFQNNLQ QTPLHLAVIT NQPEIAEALL GAGCDPELRD FRGNTPLHLA CEQGCLASVG VLTQSCCTTPH LHSILKATNY NGHTCLHLAS IHGYLGIVEL LVSLGADVNA QEPCNGRTAL HLAVDLQNPDLVSLLLKCGA DVNRVTYQGY SPYQLTWGRP STRIQQLGQ LTLENLQMLP ESEDEESYDT ESEFTEFTED ELPYDDCVFG GQRLTL
Specificity:	Phe2-Leu317
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human IκB-α Protein at 2 µg/mL (100 µL/well) can bind IκBα Rabbit mAb with a linear range of 0.195-0.64 ng/mL.

Target Details

Target:	NFKBIA
Alternative Name:	IkB-alpha/NFKBIA (NFKBIA Products)
Background:	<p>Description: This protein is a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The protein is interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.</p> <p>Name: IKBA, MAD-3, NFKBI,NFKBIA,MAD-3,NFKBI,IkB alpha,EDAID2, IKBA, NFKB inhibitor alpha</p>
Gene ID:	4792
UniProt:	P25963
Pathways:	NF-kappaB Signaling , TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Maintenance of Protein Location , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , BCR Signaling

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>