

Datasheet for ABIN6262504
anti-NFKBIA antibody (N-Term)

6 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human IKB alpha, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	IKB alpha Antibody detects endogenous levels of total IKB alpha.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	NFKBIA
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Target Details

Alternative Name:	NFKBIA (NFKBIA Products)
Background:	<p>Description: Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.</p> <p>Gene: NFKBIA</p>
Molecular Weight:	39kDa
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

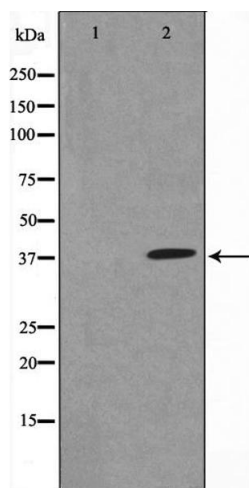
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

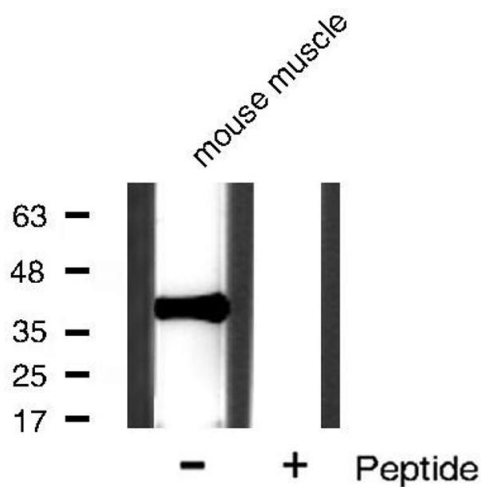
Product cited in: Zhu, Xu, Lv, He, Ye, Wang, Hu: "miR-199b-5p Regulates Immune-Mediated Allograft Rejection after Lung Transplantation Through the GSK3 β and NF- κ B Pathways." in: **Inflammation**, Vol. 41, Issue 4, pp. 1524-1535, (2018) ([PubMed](#)).

Images



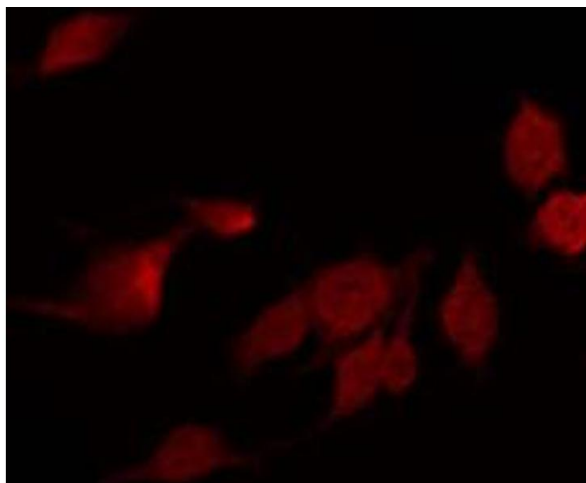
Western Blotting

Image 1. Western blot analysis of IkappaB-alpha expression in TNF- α treated MCF7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 2. Western blot analysis of IkappaB-alpha expression in mouse muscle tissue lysates, The lane on the right is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 3. ABIN6268640 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

Images

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6262504.