Datasheet for ABIN7180025

anti-NFKBIA antibody (Ser32, Ser36)

2 Images

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Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	Ser32, Ser36
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human Iκ,B-alpha around the phosphorylation site of Serine 32/36.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	NFKBIA
Alternative Name:	NFKBIA (NFKBIA Products)

Target Details

Background:	Background: 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. Mattioli I, et al. (2004)J Immunol, 172(10): 6336-44. Courtois G, et al. (2003)J Clin Invest, 112(7): 1108-15. Nair A, et al. (2003) Oncogene, 22(1): 50-8. Fan C, et al. (2002)J Cell Sci, 115(Pt 24): 4843-53. Schubert SY, et al. (2002)FASEB J, 16(14): 193 Aliases: I kappa B alpha antibody, I-kappa-B-alpha antibody, IkappaBalpha antibody, IkB-alpha antibody, IKBA antibody, IKBA_HUMAN antibody, IKBalpha antibody, MAD 3 antibody, MAD3 antibody, Major histocompatibility complex enhancer-binding protein MAD3 antibody, NF kappa B inhibitor alpha antibody, NF-kappa-B inhibitor alpha antibody, NFKBI antibody, NFKBIA antibody, Nuclear factor of kappa light chain gene enhancer in B cells antibody, Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor alpha antibody
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:1:500-1:3000, IHC:1:50-1:100,
Restrictions:	For Research Use only

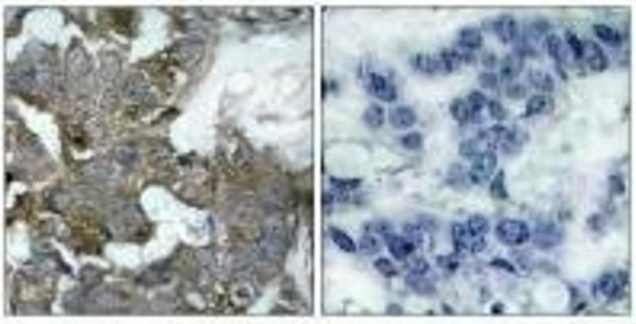
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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

Handling

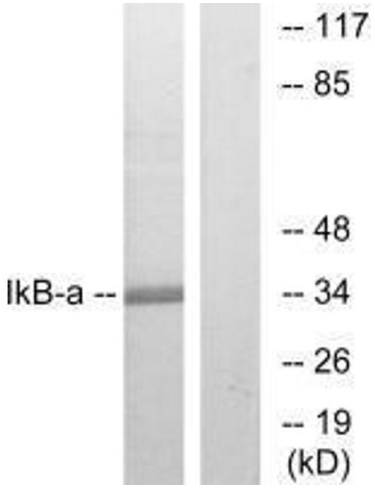
	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IkappaB-alpha (Ab-32/36) antibody.



Western Blotting

Image 2. Western blot analysis of extracts from MCF7 cells, treated with TNF-α, using IkappaB-alpha (Ab-32/36) antibody.