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Datasheet for ABIN2856763

anti-NFKBIA antibody (Center)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	NFKBIA
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human IKB alpha. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rhesus Monkey
Cross-Reactivity (Details):	Rhesus Monkey (100 %)
Characteristics:	Rabbit Polyclonal antibody to IKB alpha (nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha) IKB alpha antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NFKBIA
Alternative Name:	IKB alpha (NFKBIA Products)
Background:	<p>NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T, R is an A or G purine, and Y is a C or T pyrimidine).[supplied by OMIM]</p> <p>Cellular Localization: Cytoplasm , Nucleus</p>
Molecular Weight:	36 kDa
Gene ID:	4792
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:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:1000-1:10000* Not tested in other applications.</p> <p>*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:1000-1:10000*</p>
Comment:	Positive Control: HepG2 , BCL-1 , C2C12 , *MCF7 , *RAW264.7 , *B16F10 , *HT29
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL

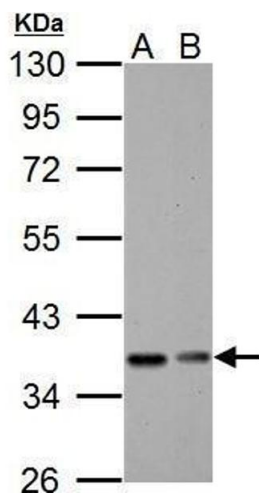
Handling

Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

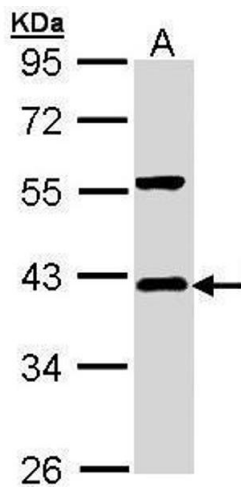
Product cited in:	Hsiao, Liu, Wang, Lin, Liu: "The analgesic effect of propofol associated with the inhibition of hypoxia inducible factor and inflammasome in complex regional pain syndrome." in: Journal of biomedical science , Vol. 26, Issue 1, pp. 74, (2020) (PubMed).
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Images



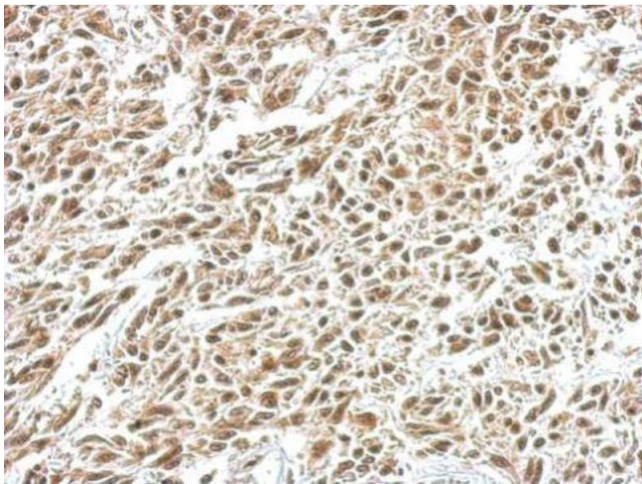
Western Blotting

Image 1. WB Image IKB alpha antibody detects IKB alpha protein by Western blot analysis. A. 30 µg BCL-1 whole cell lysate/extract B. 30 µg C2C12 whole cell lysate/extract 10 % SDS-PAGE IKB alpha antibody , dilution: 1:5000



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 10% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 3. IHC-P Image IKB alpha antibody detects NFKBIA protein at nucleus on U251 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U251 xenograft. IKB alpha antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856763.