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Datasheet for ABIN3043567
anti-NFKBIB antibody (AA 56-237)

4 Images

Overview

Quantity:	100 µg
Target:	NFKBIB
Binding Specificity:	AA 56-237
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for NF-kappa-B inhibitor beta(NFKBIB) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human IKB beta recombinant protein (Position: E56-E237). Human IKB beta shares 82% and 80% amino acid (aa) sequence identity with mouse and rat IKB beta, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for NF-kappa-B inhibitor beta(NFKBIB) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta Protein Name: NF-kappa-B inhibitor beta

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: NFKBIB

Alternative Name: NFKBIB ([NFKBIB Products](#))

Background: NF-kappa-B inhibitor beta, also known as IKBB or TRIP9, is a protein that in humans is encoded by the NFKBIB gene. The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. This gene is mapped to 19q13.2. It has been found that in vivo, NFKBIB serves both to inhibit and to facilitate the inflammatory response. NFKBIB degradation releases NF-kappa-B dimers, which upregulate proinflammatory target genes such as TNF-alpha. Surprisingly, absence of NFKBIB results in a dramatic reduction of TNF-alpha in response to lipopolysaccharide, even though activation of NF-kappa-B is normal.

Synonyms: I kappa B beta antibody|I-kappa-B-beta antibody|IkappaBbeta antibody|IKB beta antibody|IkB-B antibody|IkB-beta antibody|IKBB antibody|IKBB_HUMAN antibody|IkBbeta antibody|NF kappa BIB antibody|NF-kappa-B inhibitor beta antibody|NF-kappa-BIB antibody|Nfkbib antibody|Thyroid receptor interacting protein 9 antibody|Thyroid receptor-interacting protein 9 antibody|TR interacting protein 9 antibody|TR-interacting protein 9 antibody|TRIP-9 antibody|TRIP9 antibody

Gene ID: 4793

UniProt: [Q15653](#)

Pathways: [NF-kappaB Signaling](#), [Activation of Innate immune Response](#), [Maintenance of Protein Location](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for IKB beta is approximately 0.25 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

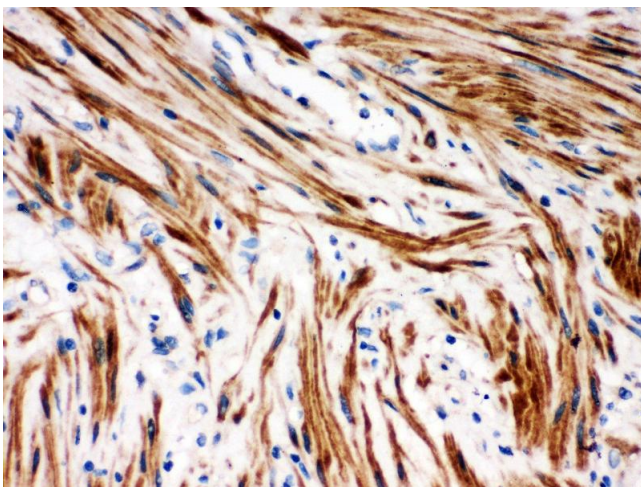
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

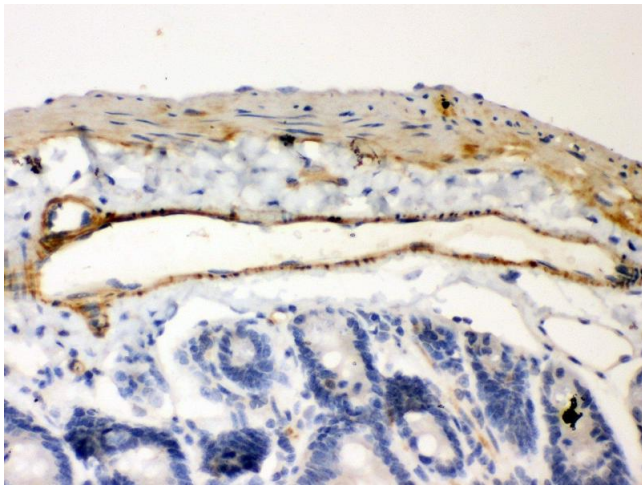
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



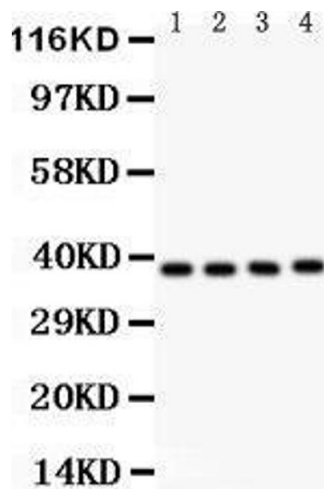
Immunohistochemistry

Image 1. Anti- IKB beta Picoband antibody,IHC(P) IHC(P):
Human Intestinal Cancer Tissue



Immunohistochemistry

Image 2. Anti- IKB beta Picoband antibody,IHC(P) IHC(P):
Mouse Intestine Tissue



Western Blotting

Image 3. Anti- IKB beta Picoband antibody, Western blotting
All lanes: Anti IKB beta at 0.5ug/ml Lane 1: Mouse Kidney
Tissue Lysate at 50ug Lane 2: RH35 Whole Cell Lysate at
40ug Lane 3: NRK Whole Cell Lysate at 40ug Lane 4: HELA
Whole Cell Lysate at 40ug Predicted bind size: 38KD
Observed bind size: 38KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043567.