

Rabbit IκBα Polyclonal Antibody | anti-IκBα antibody

IκB-α (C21) Antibody

CATALOG #
AAA63015HOST
Rabbit

PRODUCT SYNONYMS

IκBα; Polyclonal Antibody; IκB-α (C21) Antibody; anti-IκBα antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	IκB-α (C21) is recommended to detect mouse, rat and human IκB-α by western blotting, immunoprecipitation, and immunohistochemistry (including paraffin-embedded tissue).
Form/Format	Each vial contains 200 ug/mL of affinity purified rabbit IgG , IκB-α (C21) DB075, in 1 mL PBS containing 0.1% sodium azide and 0.2% gelatin.
Origin	IκB-α (C21) is provided as an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to the carboxy terminal domain of human IκB-α.
Competition studies	A blocking peptide is also available. DB075P, for use in competition studies. Each vial contains 100 ug of peptide in 0.5 mL PBS with 0.1% sodium azide and 100 ug BSA.
Preparation and Storage	Store this product at 4°C, do not freeze. The product is stable for one year from the date of shipment.

ADDITIONAL INFORMATION

Related Product Information for anti-IκBα antibody	The NFκB family of transcription factors is sequestered in the cytoplasm by IκB inhibitory proteins (1&2). IκB-α and IκB-β are the two members of this family most often cited for their regulatory function of NFκB directed gene expression. The interaction of NFκB dimers with IκB proteins keeps the complex in the cytoplasm, but upon cellular stimulation the IκB proteins are phosphorylated and subsequently degraded (1&3). The free NFκB can now enter the nucleus and induce gene expression of proteins critical for cellular proliferation, differentiation, or apoptosis (1-4).
References	1. Schmitz ML, Baeuerle PA. 1995. Multi-step activation of NF-κappa B/Rel transcription factors. Immunobiology 193(2-4):116-127. 2. Tran K, Merika M, Thanos D. 1997. Distinct functional properties of IκappaB alpha and IκappaB beta. Mol Cell Biol 17(9):5386-5399. 3. Tanaka K, Kawakami T, Tateishi K, Yashiroda H, Chiba T. 2001. Control of IκappaBα proteolysis by the ubiquitin-proteasome pathway. Biochimie 83(3-4):351-356. 4. Chen CG, Malliaros J, Katerelos M, d'Apice AJ, Pearse MJ. Inhibition of NF-κappaB activation by a dominant-negative mutant of IκappaBα. Mol. Immunology 33(1):57-61.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ikbalph-antibody-elisa/63015>