

Anti-NFKBIE antibody

Cat. No.	ml220137
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-NFKBIE rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human NFKBIE
Reactivity	Human, Mouse
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	NFKBIE
Full name	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon

Synonyms	IKBE
Swissprot	O00221

Target Background

The protein encoded by this gene binds to components of NF-kappa-B, trapping the complex in the cytoplasm and preventing it from activating genes in the nucleus. Phosphorylation of the encoded protein targets it for destruction by the ubiquitin pathway, which activates NF-kappa-B by making it available to translocate to the nucleus. NFKBIE protein expression is up-regulated following NF-kB activation and during myelopoiesis. NFKBIE is able to inhibit NF-kB-directed transactivation via cytoplasmic retention of REL proteins. NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NF-kB transcription factor complex. The NF-kB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm.

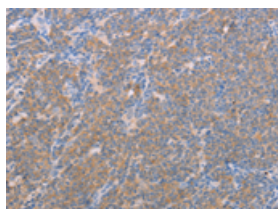
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human lymphoma

Recommended dilution: 25-100

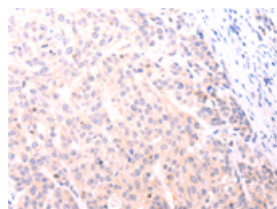


The image on the left is immunohistochemistry of paraffin-embedded Human lymphoma tissue using ml220137(NFKBIE Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml220137(NFKBIE Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 45 kDa

Positive control: PC3 cells

Recommended dilution: 200-1000

Gel: 12%SDS-PAGE

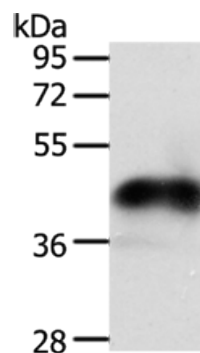
Lysate: 40 μ g

Lane: PC3 cells

Primary antibody: ml220137(NFKBIE Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 minutes



ELISA

Recommended dilution: 1000-2000

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