

Product datasheet

Anti-IKB beta antibody ab55786

1 Image

Overview

Product name	Anti-IKB beta antibody
Description	Mouse monoclonal to IKB beta
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment: EDGDTALHLA VIHQHEPFLD FLLGFSAGTE YMDLQNDLGQ TALHLAAILG ETSTVEKLYA AGAGLCVAER RGHTALHLAC RVGAHACARA , corresponding to amino acids 56-145 of Human Ikb beta Run BLAST with ExPASy Run BLAST with NCBI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab55786** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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WB

Application notes WB: Use at a concentration of 1-5 µg/ml.

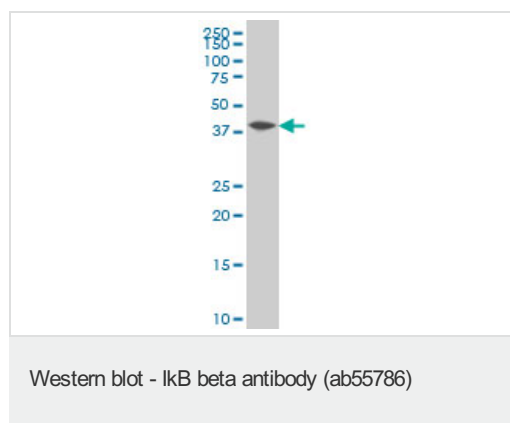
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.
Tissue specificity	Expressed in all tissues examined.
Sequence similarities	Belongs to the NF-kappa-B inhibitor family. Contains 6 ANK repeats.
Post-translational modifications	Phosphorylated by RPS6KA1; followed by degradation. Interaction with NKIRAS1 and NKIRAS2 probably prevents phosphorylation.
Cellular localization	Cytoplasm. Nucleus.

Images



Predicted band size : 38 kDa

IκB beta antibody (ab55786) at 1ug/lane + HL-60 cell lysate at 25ug/lane.

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