

Product datasheet

Anti-IkB beta antibody ab55786

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-IkB beta antibody |
| Description | Mouse monoclonal to IkB beta |
| Host species | Mouse |
| 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.

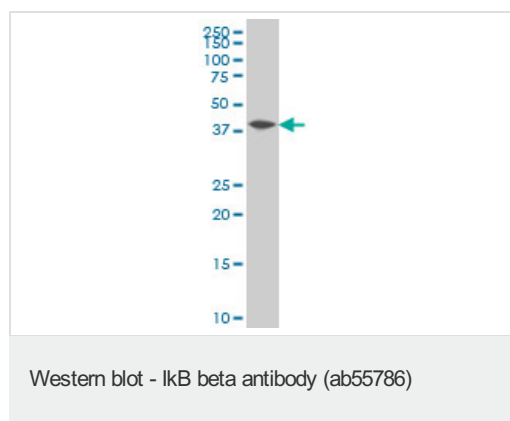
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 38 kDa. |

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



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

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