


Product datasheet

Anti-IKB beta antibody ab42507

1 Image

Overview

Product name	Anti-IKB beta antibody
Description	Rabbit polyclonal to IKB beta
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog 
Immunogen	Synthetic peptide (Human). More details of the immunogen for this antibody are not available.
Positive control	Jurkat Cell Lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab42507** in the following tested applications.

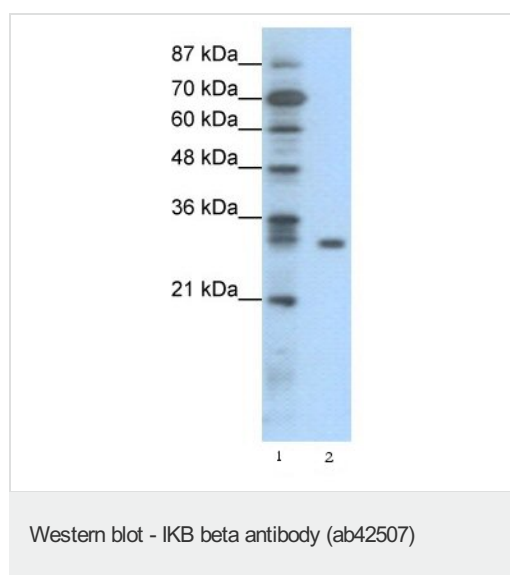
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 µg/ml. Detects a band of approximately 33 kDa (predicted molecular weight: 38 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
ELISA		1/1.77778.

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



All lanes : Anti-IKB beta antibody (ab42507)
at 0.5 µg/ml

Lane 1 : Marker

Lane 2 : Jurkat Cell Lysate

Secondary

HRP conjugated anti-Rabbit IgG diluted
1:50,000-100,000

Predicted band size : 38 kDa

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