abcam

Product datasheet

Anti-IKB beta (phospho S23) antibody ab75746

2 References 1 Image

Overview

Product name	Anti-IKB beta (phospho S23) antibody
Description	Rabbit polyclonal to IKB beta (phospho S23)
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human IKB beta (phospho S23). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human breast carcinoma tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine), PBS Without Mg2+ and Ca2+
Purity	Immunogen affinity purified
Purification notes	ab75746 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab75746 in the following tested applications.

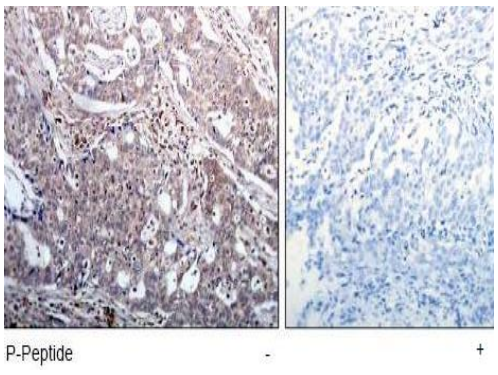
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/100.

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IkB beta (phospho S23) antibody (ab75746)

ab75746, at a 1/50 dilution, staining IkB beta in paraffin embedded human breast carcinoma tissue by Immunohistochemistry, in the absence (left image) or presence (right image) of the immunizing phospho peptide.

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