

ARG51779 anti-IκB beta phospho (Ser23) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IκB beta phospho (Ser23)
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IκB beta
Species	Human
Immunogen	Peptide sequence around phosphorylation site of serine 23 (L-G-S(p)-L-G) derived from Human IκB-β.
Conjugation	Un-conjugated
Alternate Names	NF-kappa-B inhibitor beta; IκappaBbeta; NF-kappa-BIB; IκB-beta; TR-interacting protein 9; TRIP-9; I-kappa-B-beta; IκBB; Thyroid receptor-interacting protein 9; IκB-B; TRIP9

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

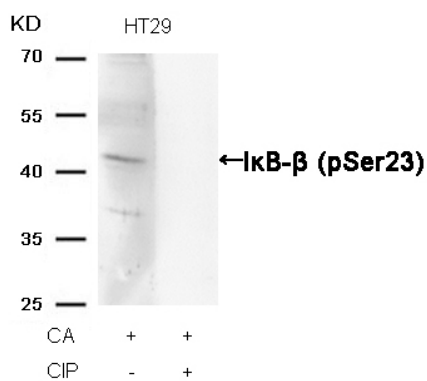
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

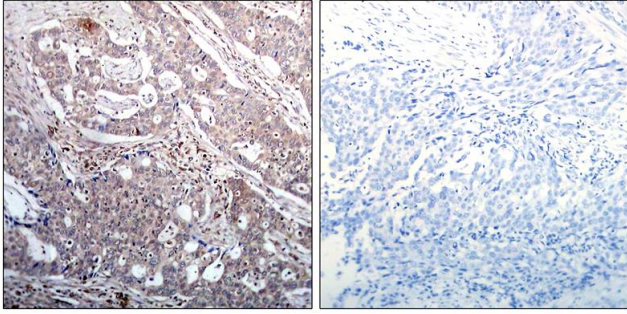
Database links	GeneID: 18036 Mouse GeneID: 4793 Human Swiss-port # Q15653 Human Swiss-port # Q60778 Mouse
Gene Symbol	NFKBIB
Gene Full Name	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
Background	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. 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 IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.
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. [UniProt]
Research Area	Gene Regulation antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	38 kDa
PTM	Phosphorylated by RPS6KA1; followed by degradation. Interaction with NKIRAS1 and NKIRAS2 probably prevents phosphorylation.

Images



ARG51779 anti-IκB beta phospho (Ser23) antibody WB image

Western blot: Extracts from HT29 cells, treated with CA or calf intestinal phosphatase (CIP), stained with ARG51779 anti-IκB beta phospho (Ser23) antibody.



ARG51779 anti-IKB beta phospho (Ser23) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51779 anti-IKB beta phospho (Ser23) antibody (left) or the same antibody preincubated with blocking peptide (right).