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Product datasheet for AP02536PU-S

IKB beta (NFKBIB) pSer23 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry: 1:50~1:100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human IκB-β around the phosphorylation site of serine 23 (L-G-SP-L-G).
Specificity:	IκB-β antibody detects endogenous levels of total IκB-β protein.
Formulation:	PBS(without Mg2+ and Ca2+), pH 7.4 containing 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	NFKB inhibitor beta
Database Link:	Entrez Gene 4793 Human Q15653

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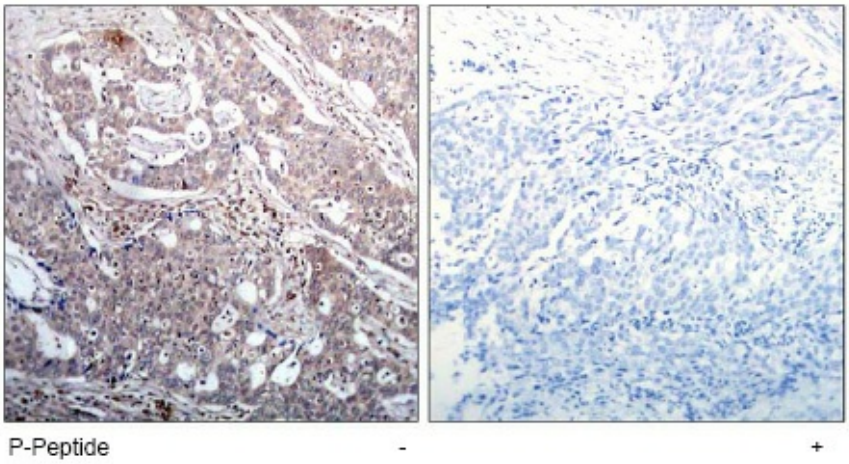
Background: Three major forms of IkB-like molecules have been identified and each is characterized by multiple copies of ankyrin repeats. IkB-alpha and IkB-beta appear to be the major regulatory forms of IkB in most cells. These proteins interact with p65 or c-Rel containing forms of NFkB and block nuclear import by masking the nuclear localization sequences of NFkB. The activation of NFkB involves the inducible phosphorylation and subsequent degradation of IkB. Immunoblotting easily detects the hyper-phosphorylated forms of IkB-alpha, but not phosphorylated IkB-beta. Interestingly, IkB-alpha and IkB-beta mediate different NFkB responses. IkB-alpha appears to control more transient activation of NFkB in response to an inducer, while IkB-beta controls a persistent response. Bcl-3 interacts with p50 and p52 containing forms of NFkB, but rather than being an inhibitor it appears to function to stimulate transcription. The degradation of IkB is confirmed by immunoblotting.

Synonyms: I-kappa-B-beta, TRIP9, IkB-B, IkB-beta, IkappaBbeta, TR-interacting protein 9

Product images:



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using I?B-β antibody.