

## IκB-e(Phospho-Ser22) Antibody

Catalog No: #11213

Package Size: #11213-1 50ul #11213-2 100ul

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## Description

Product Name	IκB-e(Phospho-Ser22) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of IκB-e only when phosphorylated at serine 22.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 22 (I-E-S(p)-L-R) derived from Mouse IκB-ε.
Target Name	IκB-e
Modification	Phospho
Other Names	I-kappa-B-epsilon; IKBE; IkappaBepsilon; NF-kappa-BIE; NF-kappaB inhibitor epsilon
Accession No.	Swiss-Prot: O54910NCBI Gene ID: 18037NCBI Protein: NP_004547.2
Uniprot	O54910
GeneID	18037;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

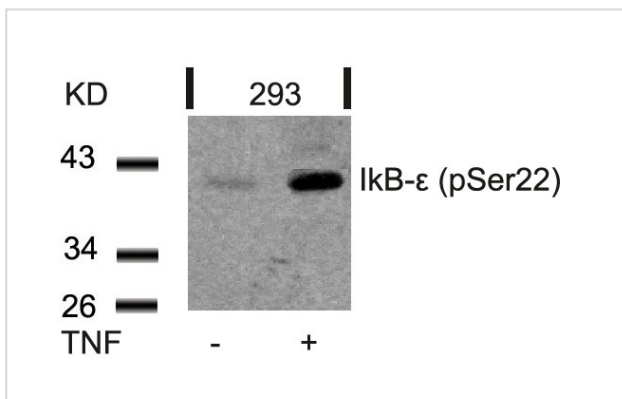
## Application Details

Predicted MW: 40kd

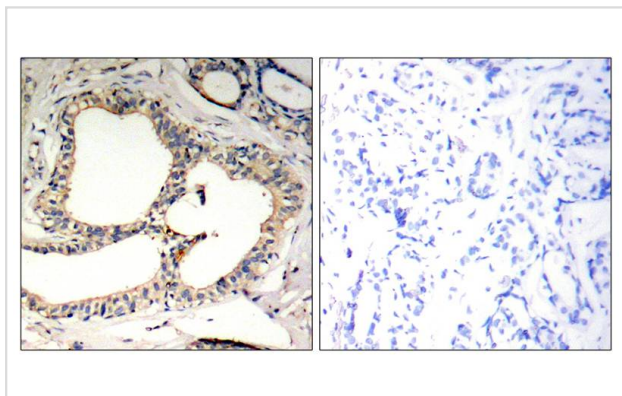
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from 293 cells untreated or treated with TNF using IκB-ε(Phospho-Ser22) Antibody #11213.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-ε(Phospho-Ser22) Antibody #11213(left) or the same antibody preincubated with blocking peptide(right).

## Background

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes.

Shirane M, et al. (1999) J Biol Chem; 274(40): 28169-74

Karin, M. and Ben-Neriah, Y. (2000) Annu. Rev. Immunol. ;18, 621-663.

Chen, Z.J. et al. (1996) Cell; 84, 853-862.

Brown, K. et al. (1995) Science; 267, 1485-1488.

Note: This product is for in vitro research use only