

# IkB-a(Phospho-Ser32/Ser36) Antibody

Catalog No: #11152

Package Size: #11152-1 50ul #11152-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	IkB-a(Phospho-Ser32/Ser36) 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 IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of IkB-a only when phosphorylated at serine 32/36.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 32/36 (H-D-S(p)-G-L-D-S(p)-M-K) derived from Human IkB-a.
Target Name	IkB-a
Modification	Phospho
Other Names	I-kappa-B-alpha; IKBA; NF-kappaB inhibitor alpha; NFKBI; NFKBIA
Accession No.	Swiss-Prot: P25963NCBI Protein: NP_065390.1
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

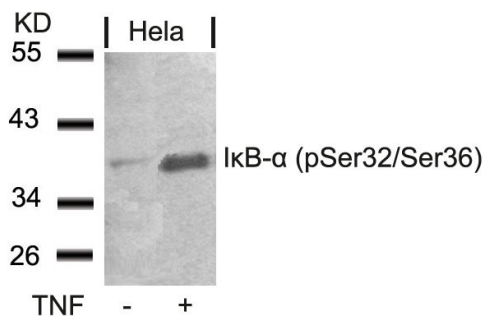
Predicted MW: 39kd

Western blotting: 1:500~1:1000

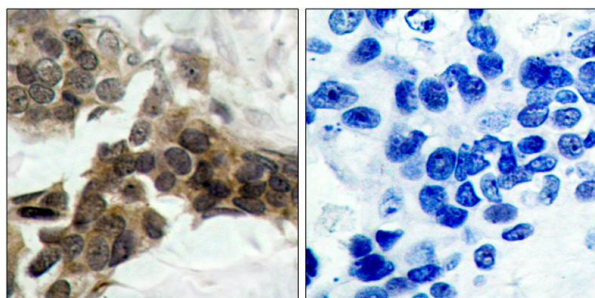
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

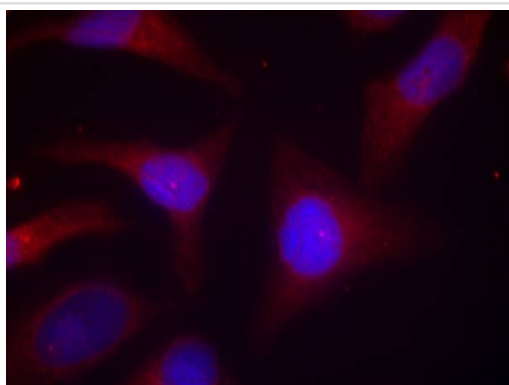
## Images



Western blot analysis of extracts from HeLa cells untreated or treated with TNF using IκB-α(Phospho-Ser32/Ser36) Antibody #11152.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-α(Phospho-Ser32/Ser36) Antibody #11152(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using IκB-α(Phospho-Ser32/Ser36) Antibody #11152.

## Background

Inhibits the activity of dimeric NF- $\kappa$ B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.

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## Published Papers

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.