**Product Datasheet**

# IkappaB alpha Antibody

Catalog No: #48264

Package Size: #48264-1 50ul #48264-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

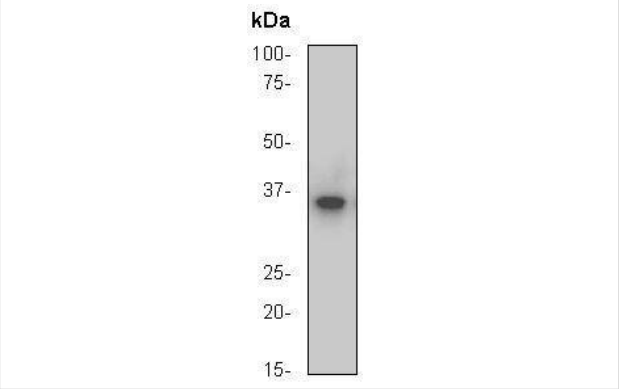
## Description

| | |
|---|---|
| Product Name | IkappaB alpha Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 1.00E+03 |
| Purification | Protein A purified |
| Applications | WB, IHC, ICC, IP |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | peptide |
| Other Names | I kappa B alpha antibody I-kappa-B-alpha antibody IkappaBalpha antibody IkB-alpha antibody IKBA antibody IKBA_HUMAN antibody IKBalpha antibody MAD 3 antibody MAD3 antibody Major histocompatibility complex enhancer-binding protein MAD3 antibody NF kappa B inhibitor alpha antibody NF-kappa-B inhibitor alpha antibody NFKBI antibody NFKBIA antibody Nuclear factor of kappa light chain gene enhancer in B cells antibody Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor alpha antibody |
| Accession No. | Swiss-Prot#:P25963 |
| Uniprot | P25963 |
| GeneID | 4792; |
| Calculated MW | 35 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

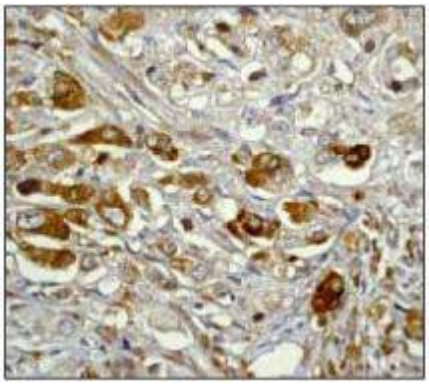
## Application Details

WB: 1:1,000 IHC: 1:100ICC: 1:100 IP: 1:10-100

## Images




Western blot analysis Hela cell lysate using IκB-α RabMAb.



Immunohistochemical analysis of paraffin-embedded human prostate carcinoma using IκB-α RabMAb.

## Background

The NF-κB/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IκB-α protein. In response to many different NF-κB-inducing agentsincluding T-cell mitogens, proinflammatory cytokines, and viral transactivatorsthe inhibitory IκB-α is rapidly phosphorylated and degraded. Phosphorylation of IκB-α at Ser32 and Ser36 has been shown to stimulate conjugation with ubiquitin and subsequent degradation of IκB-α. Phosphorylation of IκB-α at Ser32 and Ser36 is critical for activation of NF-κB, which then translocates to the nucleus and induces transcription of genes that protect organism.

## References

Note: This product is for in vitro research use only