

# IKB alpha Polyclonal Antibody

Catalog No: #27531



Package Size: #27531-1 50ul #27531-2 100ul

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

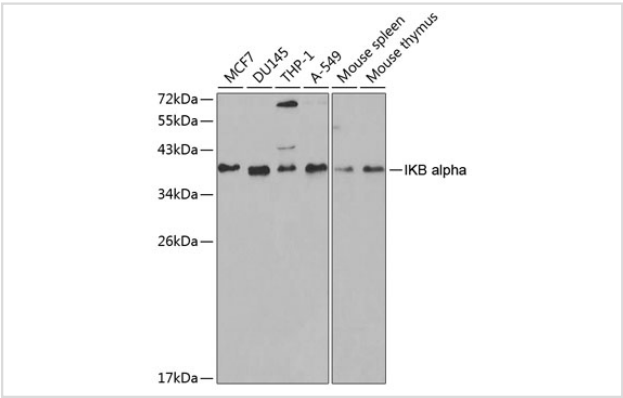
## Description

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Product Name          | IKB alpha Polyclonal Antibody                                     |
| Host Species          | Rabbit                                                            |
| Clonality             | Polyclonal                                                        |
| Isotype               | IgG                                                               |
| Purification          | Affinity purification                                             |
| Applications          | WB;IP;ELISA                                                       |
| Species Reactivity    | Human;Mouse;Rat                                                   |
| Immunogen Description | Recombinant fusion protein of human IKB alpha (NP_065390.1).      |
| Conjugates            | Unconjugated                                                      |
| Other Names           | NFKBIA; IKBA; MAD-3; NFKBI; NFKB inhibitor alpha                  |
| Accession No.         | Swiss-Prot#:P25963NCBI Gene ID:4792                               |
| Calculated MW         | 35kDa                                                             |
| SDS-PAGE MW           | 39kDa                                                             |
| Formulation           | Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4. |
| Storage               | Store at -20°C                                                    |

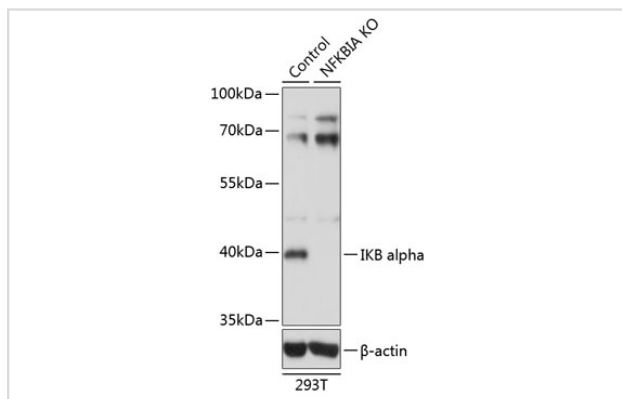
## Application Details

WB 1:500-1:2000; IP 1:20 - 1:50; ELISA 1:5000-1:20000

## Images



Western blot analysis of extracts of various cell lines, using IKB alpha antibody at 1:1000 dilution.



Western blot analysis of extracts from normal (control) and IKB alpha knockout (KO) 293T cells, using IKB alpha antibody at 1:1000 dilution.

## Background

This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.

## Published Papers

el at., 5-HT<sub>2A</sub> Receptor and 5-HT Degradation Play a Crucial Role in Atherosclerosis by Modulating Macrophage Foam Cell Formation, Vascular Endothelial Cell Inflammation, and Hepatic Steatosis. In *J Atheroscler Thromb* on 2021 Feb 2 by Yingying Ma, Xiurui Liang,et al..PMID: 33536397, , (2021)

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[PMID:33536397](#)

Qu Chen;Lingyan Ma;Yang Wen;Wentao Lyu;Minjie Yu;Hua Yang;Yingping Xiao el at., The Effect of Clostridium butyricum-Derived Lipoteichoic Acid on Lipopolysaccharide-Stimulated Porcine Intestinal Epithelial Cells., , (2025)

[PMID:39749788](#)

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