

Anti-IKBa C-terminal (RABBIT) Antibody - 100-4167C

Code: 100-4167C

Size: 100 µL

Product Description: Anti-IKBa C-terminal (RABBIT) Antibody - 100-4167C

Concentration: 80 mg/mL by Refractometry

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	IKBa
Species Reactivity	human, mouse, rat
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.1% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	IkappaBalpha antibody, IKBA antibody, IKBalphabet antibody, MAD3 antibody, NF kappa B inhibitor alpha antibody, NFKBI antibody, NFKBIA antibody
Application Note	Anti-IkBa Antibody is suitable for western blotting, ELISA, and IHC. Researchers should determine optimal titers for applications that are not stated below.
Background	Anti-IKB alpha Antibody detects IkBa. I-kappa-B-alpha 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, IKBA becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription. Anti-IKBa Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Signal Transduction and Immunology research.
Purity And Specificity	IKB alpha Antibody was prepared from monospecific antiserum by delipidation and defibrination. Anti- IkBa may react non-specifically with other proteins. Control peptide (code #100-4167P) will compete only with the specific reaction of antiserum with IkBa.
Assay Dilutions	User Optimized
ELISA	1:20,000 - 1:100,000
Immunohistochemistry	1:1,000 - 1:5,000
WESTERN BLOT	1:2,000 - 1:10,000
IHC	1:1,000 - 1:5,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	IKB alpha Antibody was produced by repeated immunizations with a synthetic IkBa peptide corresponding to a region near the C-terminus of the human protein.
General Reference	Hoffmann, A. et al. (2002) The Ikb-NFkB Signaling Module: Temporal Control and Selective Gene Activation. Science 298:8; pp 1241-1245.
Related Products	

100-401-219 Anti-IKKa (RABBIT) Antibody - 100-401-219

100-401-220 Anti-IKKß (RABBIT) Antibody - 100-401-220

100-401-401 Anti-AKT (RABBIT) Antibody - 100-401-401

100-4186 Anti-IKBß (RABBIT) Antibody - 100-4186

Related Links

NCBI <http://www.ncbi.nlm.nih.gov/protein/CAB65556.2>

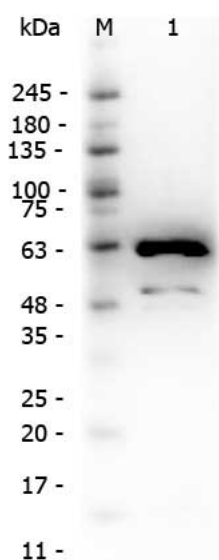
NCBI - CAB65556.2 <http://www.ncbi.nlm.nih.gov/protein/CAB65556.2>

UniProt - P25963 <http://www.uniprot.org/uniprot/P25963>

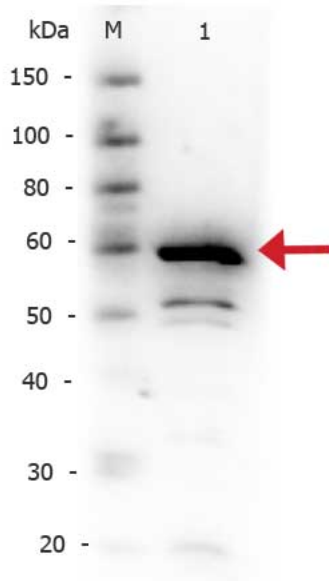
Gene ID - 4792 <http://www.ncbi.nlm.nih.gov/gene/4792>

Images

1 Western Blot of Rabbit anti-IKBa C-terminal antibody. Lane 1: IKBa C-terminal. Load: 5 ng per lane. Primary antibody: IKBa C-terminal antibody at 1:500 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: Blocking Buffer for Fluorescent Western Blotting (MB-070) for 30 min RT. Predicted/Observed size: 61 kDa, 61 kDa for IKBa C-terminal.



2 Western Blot of Rabbit anti-IKBa C-terminal antibody. Lane 1: IKBa C-terminal. Load: 50 ng per lane. Primary antibody: IKBa C-terminal antibody at 1:500 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: Blocking Buffer for Fluorescent Western Blotting (MB-070) for 30 min RT. Predicted/Observed size: 61 kDa, 61 kDa for IKBa C-terminal.



This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.