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Datasheet for 100-401-219

IKK alpha Antibody

Overview

Description:	Anti-IKKα (RABBIT) Antibody - 100-401-219
Item No.:	100-401-219
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	NFkB comprises a family of cellular transcription factors that are involved in the inducible expression of a variety of cellular genes that regulate the inflammatory response and control of cell death. In the cytoplasm NFkB is negatively modulated by the inhibitory proteins IkB. In turn IkB is phosphorylated by a cellular kinase complex called IKK. IKK is a heterodimer composed of two kinases: IKK-a and IKK-b that phosphorylate IkB leading to its degradation and the resulting translocation of NFkB to the nucleus. IKK kinase activity is modulated negatively by pharmaceutical agents such as aspirin and positively by various cellular components such as TNF- a, endotoxins and overexpression of cellular kinases like MEKK1. Aspirin appears to have its effect by inhibiting the binding of ATP to IKK.
Synonyms:	rabbit anti-IKK alpha Antibody, Inhibitor of nuclear factor kappa-B kinase subunit alpha, I-kappa-B kinase alpha, IkBKA, IKK-alpha, IKK-A, IkappaB kinase, IKKA, TCF16
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CHUK
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	IKK a peptide corresponding to the highly conserved C-terminus region of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
Purity/Specificity:	Anti-IKKα was prepared from monospecific antiserum by delipidation and defibrination. Anti-IKK a may react non-specifically with other proteins. Control peptide (code #100-401-219p) will compete only with the specific reaction of antiserum with the IKK a subunit.
Relevant Links:	• UniProtKB - O15111 • NCBI - NP_001269.3 • GeneID - 1147

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-IKKα antibody was tested by immunoblot and found to be reactive against IKK alpha at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti-IKKa is suitable for the detection by immunoblot of human, mouse and rat IKKa showing an 85 kDa band. This product is tested in IHC.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
IHC:	1:500
WB:	1:500 - 1:3,000

Formulation

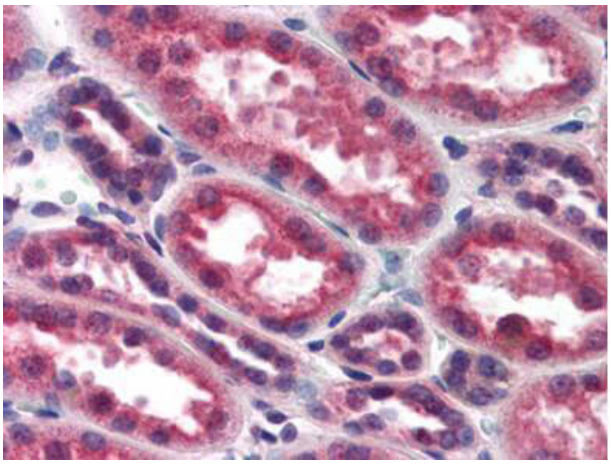
Physical State:	Liquid (sterile filtered)
Concentration:	80 mg/mL by Refractometry
Buffer:	None
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Rockland's Anti-IKKa antibody was diluted 1:500 to detect IKKa in human kidney tissue. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

Disclaimer

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.