

Datasheet for 100-401-219p**IKK alpha Peptide****Overview**

Description:	IKK α Peptide - 100-401-219p
Item No.:	100-401-219p
Size:	50 μ g
Origin:	Human

Product Details

Background:	Intended for use as a control peptide when used with anti-IKK α to block specific interaction of anti-IKK α [p/n 100-401-219]. NF κ B 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 NF κ B is negatively modulated by the inhibitory proteins I κ B. In turn I κ B is phosphorylated by a cellular kinase complex called IKK. IKK is a heterodimer composed of two kinases: IKK-a and IKK-b that phosphorylate I κ B leading to its degradation and the resulting translocation of NF κ B to the nucleus. IKK kinase activity is modulated negatively by pharmaceutical agents such as aspirin and positively by various cellular components such as TNF- α , endotoxins and overexpression of cellular kinases like MEKK1. Aspirin appears to have its effect by inhibiting the binding of ATP to IKK.
Synonyms:	Inhibitor of nuclear factor kappa-B kinase subunit alpha, I-kappa-B kinase alpha, I κ BKA, IKK-alpha, IKK-A, I κ B kinase, control peptide, blocking peptide
Species of Origin:	Human
Type:	Peptide

Target Details

Gene Name:	CHUK, IKK α , TCF16
Purity/Specificity:	Greater than 95% specific peptide
Relevant Links:	UniProtKB - O15111

Application Details

Application Note:	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by dry weight
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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 six (6) months from date of receipt.

Disclaimer

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