

**IKK Peptide - 100-401-219p**
**Code:** 100-401-219p

**Size:** 50 µg

**Product Description:** IKK Peptide - 100-401-219p

**Concentration:** 1.0 mg/mL by dry weight

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Gene Name</b>	CHUK, IKKA, TCF16
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Inhibitor of nuclear factor kappa-B kinase subunit alpha, I-kappa-B kinase alpha, IkbKA, IKK-alpha, IKK-A, IkkappaB kinase, control peptide, blocking peptide
<b>Application Note</b>	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum in per assay.
<b>Background</b>	Intended for use as a control peptide when used with anti-IKKA to block specific interaction of anti-IKKalpha [p/n 100-401-219]. NFκB 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 NFκB is negatively modulated by the inhibitory proteins IκB. In turn IκB is phosphorylated by a cellular kinase complex called IKK. IKK is a heterodimer composed of two kinases: IKK-a and IKK-b that phosphorylate IκB leading to its degradation and the resulting translocation of NFκB 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.
<b>Purity And Specificity</b>	Greater than 95% specific peptide
<b>Assay Dilutions</b>	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
<b>Other Assays</b>	Control peptide should be used at 1.0 µg per 1.0 µl of antiserum per assay.
<b>Expiration</b>	Expiration date is six (6) months from date of opening.

**Related Products**

100-401-219	Anti-IKKA (RABBIT) Antibody - 100-401-219
100-401-220	Anti-IKK&#223; (RABBIT) Antibody - 100-401-220
100-401-220p	IKK&#223; CONTROL PEPTIDE - 100-401-220p
100-401-401	Anti-AKT (RABBIT) Antibody - 100-401-401

**Related Links**

UniProtKB - O15111

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