

### IKB alpha peptide ab204863

#### 描述

产品名称	IKB alpha多肽
纯度	> 96 % HPLC.
无动物成分	No
性质	Synthetic
序列	KKKKERLLDDRHDSGLDSMKDEE
氨基酸	21 to 41

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab204863** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies HPLC
形式	Lyophilized
补充说明	ab204863 (IKB alpha peptide) can be utilized as a substrate for the following active protein kinases:  <b><u>ab102103</u></b> (Active human IKK alpha full length protein) <b><u>ab201367</u></b> (Active human IKKi/IKKe full length protein)

#### 制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
复溶	Dilute peptide in 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

#### 常规信息

功能	Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the
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	cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.
<b>疾病相关</b>	Ectodermal dysplasia, anhidrotic, with T-cell immunodeficiency autosomal dominant
<b>序列相似性</b>	Belongs to the NF-kappa-B inhibitor family. Contains 5 ANK repeats.
<b>翻译后修饰</b>	Phosphorylated; disables inhibition of NF-kappa-B DNA-binding activity. Phosphorylation at positions 32 and 36 is prerequisite to recognition by UBE2D3 leading to polyubiquitination and subsequent degradation. Sumoylated; sumoylation requires the presence of the nuclear import signal. Sumoylation blocks ubiquitination and proteasome-mediated degradation of the protein thereby increasing the protein stability. Monoubiquitinated at Lys-21 and/or Lys-22 by UBE2D3. Ubiquitin chain elongation is then performed by CDC34 in cooperation with the SCF(FBXW11) E3 ligase complex, building ubiquitin chains from the UBE2D3-primed NFKBIA-linked ubiquitin. The resulting polyubiquitination leads to protein degradation. Also ubiquitinated by SCF(BTRC) following stimulus-dependent phosphorylation at Ser-32 and Ser-36. Deubiquitinated by porcine reproductive and respiratory syndrome virus Nsp2 protein, which thereby interferes with NFKBIA degradation and impairs subsequent NF-kappa-B activation.
<b>细胞定位</b>	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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