

Recombinant Human IKB alpha protein ab113133

1 References

描述	
产品名称	重组人IKB alpha蛋白
纯度	> 85 % SDS-PAGE.
表达系统	Escherichia coli
Accession	P25963
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMFQAAERPQEWAMEGPRDGLKK ERLLDDRH DSGLD SMKDEEYEQMVKE LQEIRLEPQEVPRGSEPWKQQLTEDGDSFL HLAIIHEEKALTMEVIRQVKGDALFNFNQNNLQQTPLHLAVI TNQ PEI AEALLGAGCDPELRDFRGNTPLHLACEQGCLASVGVLTSCT TPHLHSIL KATNYNGHTCLHLASIHGYLGI VELLVSLGADVNAQEPNGRTALHLA VDLQNPDLVSLLLKCGADVNRVTYQGYSPLYQLTWGRPSTRIQ QQLGQLT LENLQMLPESEDEESYDTESEFTEFTEDEL PYDDCVFGGQRL TL
预测分子量	38 kDa including tags
氨基酸	1 to 317
标签	His tag N-Terminus

技术指标

Our Abpromise guarantee covers the use of ab113133 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF

形式	Liquid
制备和贮存	
稳定性和存储	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p>
常规信息	
功能	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, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.
疾病相关	Ectodermal dysplasia, anhidrotic, with T-cell immunodeficiency autosomal dominant
序列相似性	<p>Belongs to the NF-kappa-B inhibitor family.</p> <p>Contains 5 ANK repeats.</p>
翻译后修饰	<p>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.</p> <p>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.</p> <p>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.</p> <p>Deubiquitinated by porcine reproductive and respiratory syndrome virus Nsp2 protein, which thereby interferes with NFKBIA degradation and impairs subsequent NF-kappa-B activation.</p>
细胞定位	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

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