

IκB-α(phospho Ser32/S36) Rabbit Polyclonal Antibody



产品详情

产品货号	产品名称	储存条件	保质期
IM50922	I κ B- α (phospho Ser32/S36)Rabbit Polyclonal Antibody	-20℃	1 年

产品概述:

产品货号	IM50922
别名	NFKBIA;IKBA;MAD3;NFKBI;NF-kappa-B inhibitor alpha;I-kappa-B-alpha;IkB-alpha;IkappaBalpha;Major histocompatibility complex enhancer-binding protein MAD3;IKBA;MAD3;NFKBI
产品名称	I κ B- α (phospho Ser32/S36)Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	NFKBIA
蛋白名称	NF-kappa-B inhibitor alpha
推荐应用	WB, IHC-P, IF-P, IF-F, IF-ICC, ELISA
反应种属	Human, Mouse, Rat, Monkey
浓度	1mg/ml
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Human Gene ID	4792
Human Swissprot No.	P25963

Mouse Gene ID	18035
Mouse Swissprot No.	Q9Z1E3
Rat Gene ID	25493
Rat Swissprot No.	Q63746
免疫原	The antiserum was produced against synthesized peptide derived from human IkappaB-alpha around the phosphorylation site of Ser32/Ser36. AA range:15-64
特异性	Phospho-I κ B- α (S32/S36) Polyclonal Antibody detects endogenous levels of I κ B- α protein only when phosphorylated at S32/S36.
稀释度	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/IF-ICC 1:200-1:1000, ELISA 1:10000. Not yet tested in other applications.
预测分子量	about 40kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	Rabbit, IgG
背景介绍	This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease. [provided by RefSeq, Aug 2011].

组织表达	Brain, Kidney, Lymph node, Monocyte.
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.
信号通路	Chemokine; Apoptosis_Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; Toll_Like; NOD like receptor; RIG-I-like receptor; Cytosolic DNA-sensing pathway; T_Cell_Receptor; B_Cell_Antigen; Neurotrophin; Adipocytokine; Epithelial cell signaling in Helicobacter pylori infection; Pathways in cancer; Prostate cancer; Chronic myeloid leukemia; Small cell lung cancer.
功能	<p>Disease: Defects in NFKBIA are the cause of ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant (ADED AID) [MIM:612132]. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. ADED AID is an ectodermal dysplasia associated with decreased production of pro inflammatory cytokines and certain interferons, rendering patients susceptible to infection. function: 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 REL A to translocate to the nucleus and activate transcription.</p> <p>induction: Induced in adherent monocytes. online information: NFKBIA mutation db, PTM: Phosphorylated; disables inhibition of NF-kappa-B DNA-binding activity. PTM: Sumoylated; sumoylation requires the presence of the nuclear import signal. PTM: Ubiquitinated; subsequent to stimulus-dependent phosphorylation on serines. similarity:</p>

功能	Belongs to the NF-kappa-B inhibitor family. similarity:Contains 5 ANK repeats. subcellular location:Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export. subunit:Interacts with RELA;the interaction requires the nuclear import signal. Interacts with NKIRAS1 and NKIRAS2. Part of a 70-90 kDa complex at least consisting of CHUK, IKBKB, NFKBIA, RELA, IKBKAP and MAP3K14. Interacts with HBV protein X. Interacts with RWDD3;the interaction enhances sumoylation.
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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