Anti-IKB alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010514

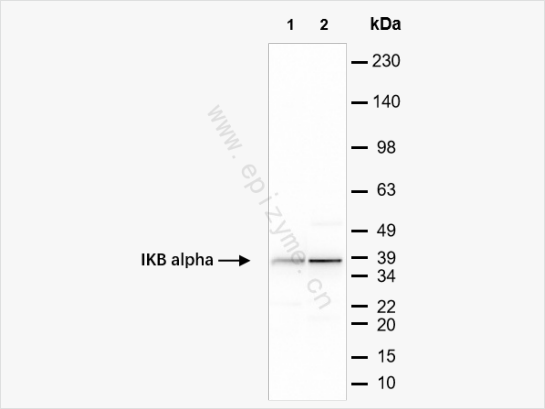
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	73L89L90
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IKB alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IKB alpha Rabbit mAb [73L89L90] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	I kappa B alpha, I-kappa-B-alpha, IkappaBalpha, IkB-alpha, IKBA, IKBA_HUMAN, IKBalpha, MAD 3, MAD3, Major histocompatibility complex enhancer-binding protein MAD3, NF kappa B inhibitor alpha, NF-kappa-B inhibitor alpha, NFKBI, NFKBIA, Nuclear factor of kappa light chain gene enhancer in B cells, Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor alpha.
Calculated MW	Calculated MW: 36 kDa; Observed MW: 39 kDa
Uniprot ID	P25963
Gene ID	4792
Background	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]
Cellular Location	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

Validation Images



Western Blot - Anti-IKB alpha Rabbit mAb [73L89L90]
All lanes: R010514 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 36 kDa
Observed band size: 39 kDa
Developed using the ECL technique (Cat. No. SQ201).