Anti-Phospho-IKB alpha (Ser36) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014749

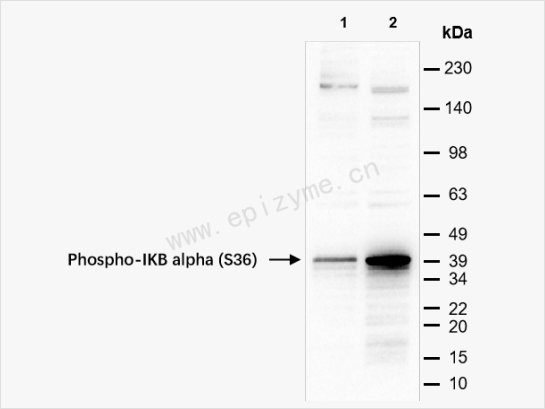
Product Information

Application	ELISA, WB
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	49R90B50
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-IKB alpha (S36)
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-Phospho-IKB alpha (Ser36) Rabbit mAb [49R90B50] 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	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.
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-Phospho-IKB alpha (Ser36) Rabbit mAb [49R90B50]
All lanes: R014749 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) 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).