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[Primary Antibody]

Rabbit Anti-phospho-IKB epsilon (Ser22)antibody

Catalog Number: SL15582R

FOR RESEARCH USE ONLY

[DATASHEET]

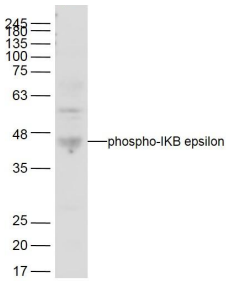
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-IKB epsilon (Ser22)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human IKB epsilon around the phosphorylation site of Ser22: LR(p-S)LR
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Cow,Sheep)
Predicted MW.:	39kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene binds to components of NF-kappa-B, trapping the complex in the cytoplasm and preventing it from activating genes in the nucleus. Phosphorylation of the encoded protein targets it for destruction by the ubiquitin pathway, which activates NF-kappa-B by making it available to translocate to the nucleus. [provided by RefSeq, Sep 2011] **Function:** Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes. **Subunit:** Interacts with RELA, REL, NFKB1 nuclear factor NF-kappa-B p50 subunit and NFKB2 nuclear factor NF-kappa-B p52 subunit. **Subcellular Location:** Cytoplasm.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

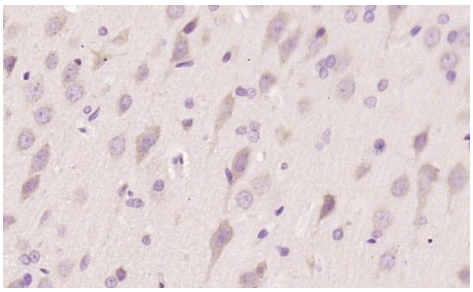
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	Post-translational modifications: Serine phosphorylated; followed by proteasome-dependent degradation. **Similarity:** Belongs to the NF-kappa-B inhibitor family. Contains 6 ANK repeats. **Database links:** **Entrez Gene:** 4794 Human **Entrez Gene:** 18037 Mouse Omim: 604548 Human **SwissProt:** O00221 Human **SwissProt:** O54910 Mouse **Unigene:** 458276 Human **Unigene:** 57043 Mouse

[VALIDATION IMAGES]



Sample:
Lymph node (Mouse) Lysate at 40 ug
Primary: Anti-phospho-IKB epsilon (Ser22) (SL15582R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 39 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKB epsilon (Ser22)) Polyclonal Antibody, Unconjugated (SL15582R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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