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Anti-IκBα Mouse mAb [51H54]

Catalog No.: A33076

Basic Information

Catalog No. (Cat.No.)	A33076
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,ELISA
Synonyms	IκBα,IκB-α,IKBA,MAD-3,NFKBI,EDAID2

Product Information

Target	IκBα
Molecular Weight(Calculated)	37 kDa
Molecular Weight(Observed)	40 kDa
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	51H54
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	NF-Kappa-B inhibitor-alpha
Gene Name	*NFKBIA*
Domain	Full length
Background	IκB-α (NF-κB inhibitor alpha) is a cytoplasmic anchoring protein of IκB inhibitor family. It negatively controls NF-κB transcription factor: under basal conditions, IκB-α sequesters NF-κB dimers in cytoplasm and blocks nuclear transcriptional activity. Inflammatory triggers induce IκB-α phosphorylation, ubiquitination and proteasomal degradation, liberating NF-κB for nuclear import and pro-inflammatory-gene transcription. De-novo synthesized IκB-α provides negative feedback to terminate NF-κB activity. IκB-α degradation serves as a hallmark of NF-κB pathway activation.