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Anti-IκBα Rabbit mAb [85G01]

Catalog No.: A52197

Basic Information

Catalog No. (Cat.No.)	A52197
Host species	Rabbit
Reactivity	Human,Mouse,Rat,Pig
Applications	WB,IHC,IF,ELISA
Synonyms	IκBα,IκB-α,I Kappa B alpha,NFKB-I,MAD-3

Product Information

Target	IκBα
Molecular Weight(Calculated)	36 kDa
Molecular Weight(Observed)	36 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	85G01
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 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	1:2000-1:10000
IHC	1:200-1:2000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	NF-Kappa-B inhibitor alpha
Gene Name	*NFKBIA*
Domain	NA
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.