

I κ B α Rabbit mAb

Catalog No.: A24909 **Recombinant**

Basic Information

Observed MW

40kDa

Calculated MW

35kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC63567

Background

Enables NF-kappaB binding activity and heat shock protein binding activity. Involved in several processes, including cytoplasmic sequestering of NF-kappaB; leukocyte migration involved in inflammatory response; and liver regeneration. Acts upstream of or within cellular response to cytokine stimulus and cellular response to organic cyclic compound. Located in cytosol and nucleus. Part of protein-containing complex. Used to study gastritis; pulmonary emphysema; and sciatic neuropathy. Biomarker of several diseases, including acute necrotizing pancreatitis; alcoholic hepatitis; artery disease (multiple); middle cerebral artery infarction; and toxic shock syndrome. Human ortholog(s) of this gene implicated in several diseases, including childhood-onset asthma; hematologic cancer (multiple); hepatitis B; hepatitis C; and lung disease (multiple). Orthologous to human NFKBIA (NFKB inhibitor alpha).

Recommended Dilutions

WB	1:2000 - 1:7000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

25493

Swiss Prot

Q63746

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-314 of Rat I κ B α (NP_001099190.2).

Synonyms

RL/IF-1; I κ B α

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

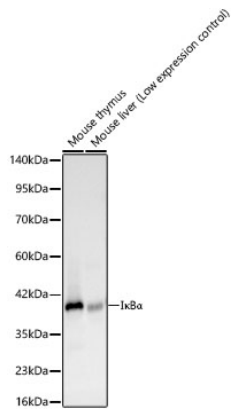
Affinity purification

Storage

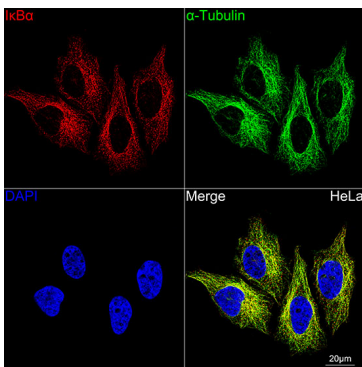
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

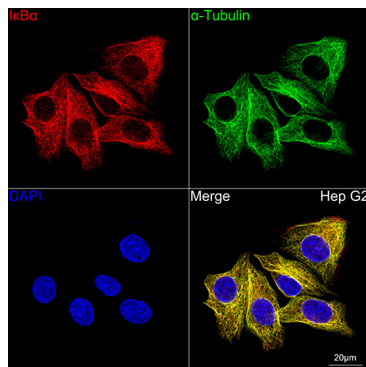
Validation Data



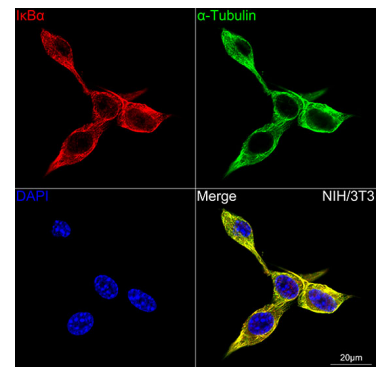
Western blot analysis of various lysates, using IκBα Rabbit mAb (A24909) at 1:6000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Confocal imaging of HeLa cells using IκBα Rabbit mAb (A24909, at dilution of 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:100) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of Hep G2 cells using IκBα Rabbit mAb (A24909, at dilution of 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:100) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using IκBα Rabbit mAb (A24909, at dilution of 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:100) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.