

[KD Validated] Anti-NFKBIA Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

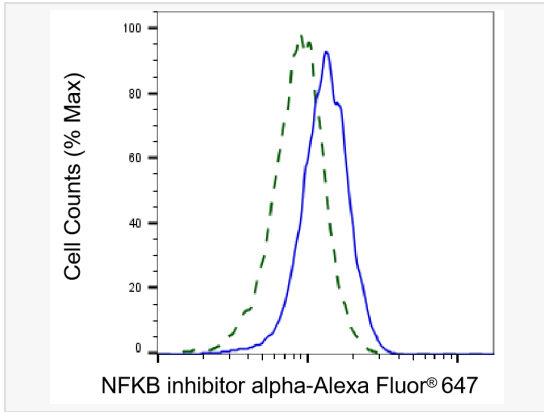
Catalog # M020757

Product Information

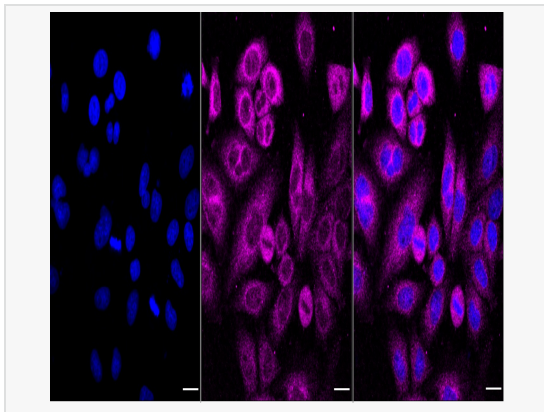
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse
Dilution	WB 1:2,500~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	60R55O67
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human NFKBIA
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-NFKBIA Mouse mAb [60R55O67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

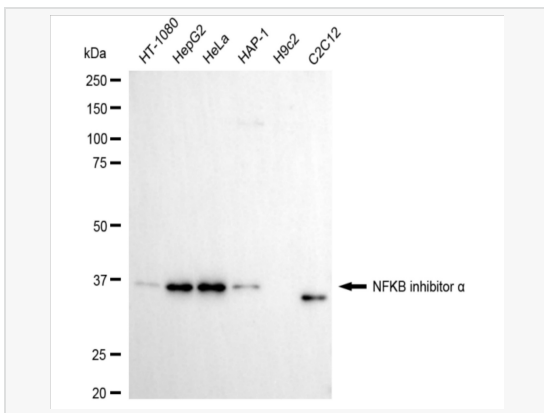
Synonyms	I-kappa-B-alpha; NFKBI; NFKBIA; NF-kappaB inhibitor alpha; IKBA; IkappaBalpha; MAD3; RL/IF-1.
Calculated MW	Calculated MW: 36 kDa, Observed MW: 36 kDa
Uniprot ID	P25963
Gene ID	4792
Background	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm.



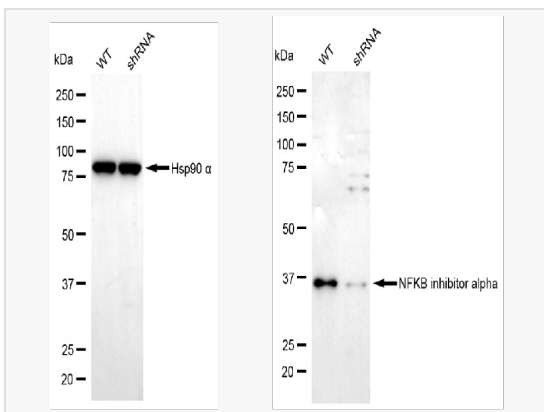
Flow cytometric analysis of NFKB inhibitor alpha expression in HepG2 cells using NFKB inhibitor alpha antibody (M020757, 1:2,000). Green, isotype control; red, NFKB inhibitor alpha.



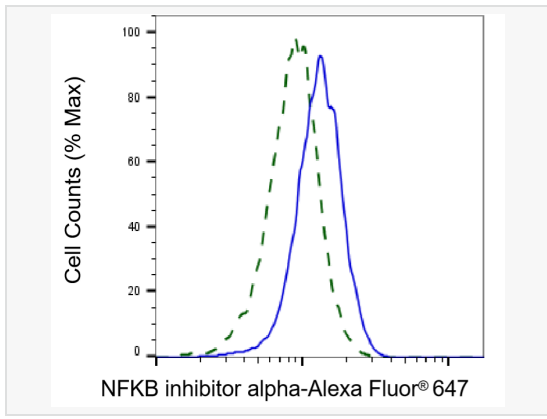
Immunocytochemical staining of HepG2 cells with NFKB inhibitor alpha antibody (M020757, 1:1,000). Nuclei were stained blue with DAPI; NFKB inhibitor alpha was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Low. Scale bar, 20 µm.



Western blotting analysis using NFKB inhibitor alpha antibody (M020757). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NFKB inhibitor alpha antibody (M020757, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using NFKB inhibitor alpha antibody (M020757). NFKB inhibitor alpha expression in wild type (WT) and NFKB inhibitor alpha (NFKBIA) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NFKB inhibitor alpha antibody (M020757, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Validation of NFKB inhibitor alpha knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with NFKB inhibitor alpha antibody (M020757, 1:2,000) and analyzed using BD flow cytometer.