

Recombinant Anti-IKB alpha Rabbit mAb Product Manual

Cat No: GMA4468

Source: Rabbit

Reactivity: H, M, R

Applications: WB, IH, IF/IC

*Application Key:

H - Human, M - Mouse, R - Rat, B - Bovine, C - Chicken, D - Dog, G - Goat, Mk - Monkey, P - Pig, Rb - Rabbit, S - Sheep, Z - Zebrafish

*Species Reactivity Key:

E- ELISA, WB - Western blot, IH - Immunohistochemistry, IF - Immunofluorescence, FC - Flow cytometry, IC - Immunocytochemistry, IP - Immunoprecipitation, ChIP - Chromatin Immunoprecipitation, EMSA - Electrophoretic Mobility Shift Assay, BL - Blocking, SE - Sandwich ELISA, CBE - Cell-based ELISA, RNAi - RNA interference

Datasheet

Description: Recombinant rabbit monoclonal antibody to IKB alpha

Immunogen: KLH-conjugated synthetic peptide encompassing a sequence within human IKB alpha protein. The exact sequence is proprietary.

Purification: The antibody was purified by immunogen affinity chromatography.

Clonality: Monoclonal

Form: Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Dilution: WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)

Gene Symbol: NFKBIA

Alternative Names: IKBA; MAD3; NFKBI; NF-kappa-B inhibitor alpha; I-kappa-B-alpha; Ikb-alpha; IkappaBalpa; Major histocompatibility complex enhancer-binding protein MAD3

Entrez Gene (Human): 4792;

Entrez Gene (Mouse): 18035;

Entrez Gene (Rat): 25493;

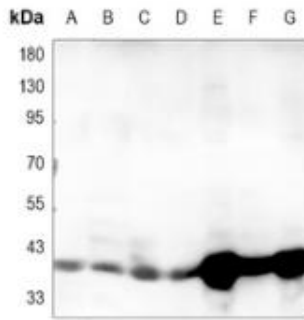
SwissProt (Human): P25963;

SwissProt (Mouse): Q9Z1E3;

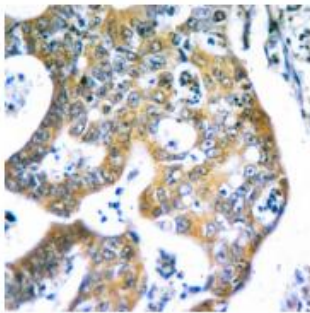
SwissProt (Rat): Q63746;

Storage/Stability: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

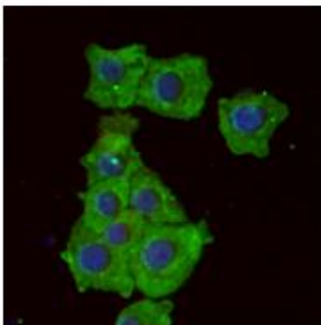
Validation



Western blot analysis of IKB alpha expression in A549 (A), THP1 (B), Hela (C), mouse liver (D), mouse muscle (E), rat liver (F), rat muscle (G) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 39 kD)



Immunohistochemical analysis of IKB alpha staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of IKB alpha staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ° C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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