Anti-NF-KB p105/p50 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M014377

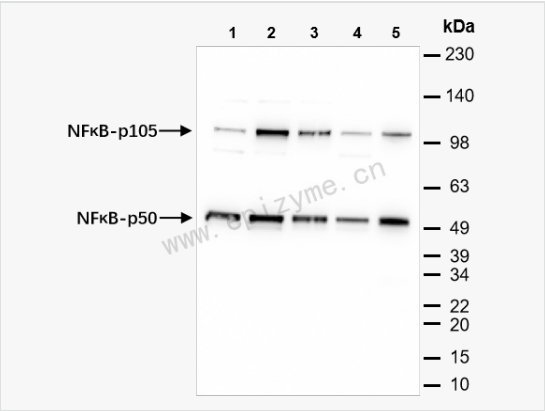
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	99C88G11
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NF-KB p105/p50
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NF-KB p105/p50 Mouse mAb [99C88G11] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DKFZp686C01211, DNA binding factor KBF1, DNA binding factor KBF1 EBP1, DNA-binding factor KBF1, EBP 1, EBP-1, EBP1, KBF1, MGC54151, nf b, NF kappa B, NF kappaB, NF kappabeta, NF kB1, NF-kappaB, NFkappaB, NFKB 1, NFKB p105, NFKB p50, NFKB-p105, Nfkb1, NFKB1_HUMAN, Nuclear factor kappa B DNA binding subunit, Nuclear factor kappa-B, Nuclear factor kappa-B, subunit 1, Nuclear factor NF kappa B p105 subunit, Nuclear factor NF kappa B p50 subunit, Nuclear factor NF-kappa-B p50 subunit, Nuclear factor of kappa light chain gene enhancer in B cells 1, Nuclear factor of kappa light polypeptide gene enhancer in B cells 1, Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105, p50, p84/NF-kappa-B1 p98, Transcription factor NFKB1.
Calculated MW	Calculated MW: 50 kDa, 105 kDa; Observed MW: 50 kDa, 105 kDa
Uniprot ID	P19838
Gene ID	4790
Background	Transcription factors of the nuclear factor κB (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF-κB1 (p105/p50), and NF-κB2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF-κB is sequestered in the cytoplasm by IκB inhibitory proteins. NF-κB-activating agents can induce the phosphorylation of IκB proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF-κB to enter the nucleus where it regulates gene expression. NIK and IKKα (IKK1) regulate the phosphorylation and processing of NF-κB2 (p100) to produce p52, which

Validation Images



Western Blot - Anti-NF-KB p105/p50 Mouse mAb [99C88G11]
All lanes: M014377 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Predicted band size: 50 kDa, 105 kDa
Observed band size: 50 kDa, 105 kDa
Developed using the ECL technique (Cat. No. SQ201).