Anti-NFkB p100/NFKB2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014002

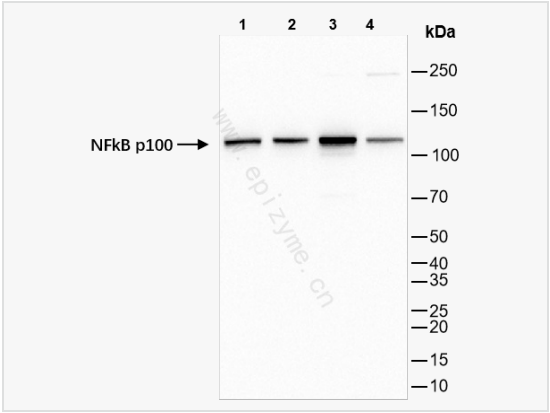
Product Information

Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	43I13E24
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NFkB p100 / p52
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-NFkB p100/NFKB2 Rabbit mAb [43I13E24] is for research use only and not for use in diagnostic or therapeutic procedures.

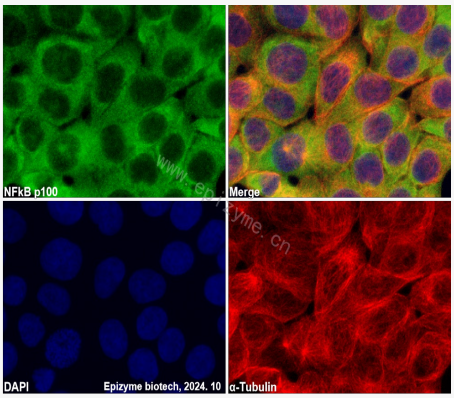
Protein Information

Synonyms	CVID10, DNA binding factor KBF2, H2TF1, Lymphocyte translocation chromosome 10 protein, LYT 10, NF kB2, NFKB p52/p100 subunit, Nuclear factor Kappa B subunit 2, Nuclear factor of kappa light polypeptide gene enhancer in B cells 2 (p49/p100), Nuclear factor of kappa light polypeptide gene enhancer in B cells 2, Oncogene Lyt 10, p100, Transcription factor NFKB2.
Calculated MW	Calculated MW: 97 kDa; Observed MW: 120 kDa
Uniprot ID	Q00653
Gene ID	4791
Background	Transcription factors of the nuclear factor κ B (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses. 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.
Cellular Location	Cytoplasmic and Nuclear

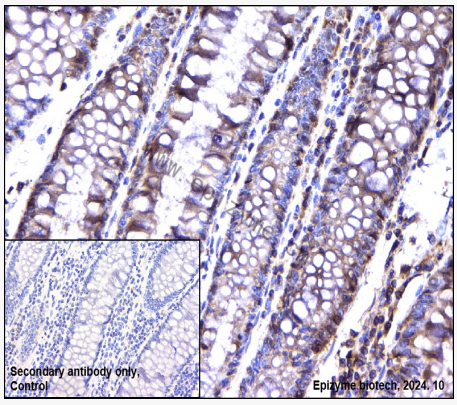
Validation Images



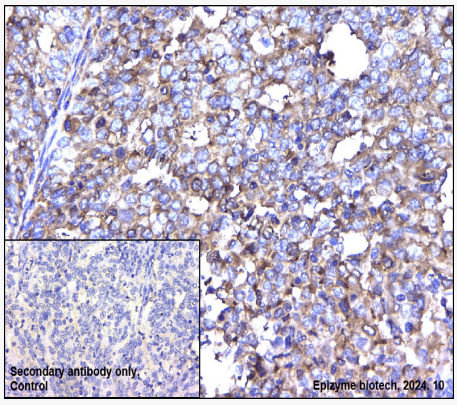
Western Blot - Anti-NFkB p100/NFKB2 Rabbit mAb [43I13E24]
All lanes: R014002 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 97 kDa
Observed band size: 120 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-NFkB p100/NFKB2 Rabbit mAb [43I13E24]
Sample: HCT116 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014002 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-NFkB p100/NFKB2 Rabbit mAb [43I13E24]
Sample: Paraformaldehyde-fixed, paraffin embedded human rectal adenocarcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014002 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-NFkB p100/NFKB2 Rabbit mAb [43I13E24]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014002 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.