

Basic Information

Product Name	Anti-NFkB/NFKB2 p100/p52 Antibody	
Gene Name	NFKB2	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human NFkB/NFKB2 p100/p52 recombinant protein (Position: M1-R340). Human NFkB/NFKB2 p100/p52 shares 96% amino acid (aa) sequence identity with mouse NFkB/NFKB2 p100/p52.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	52 kDa(activeform)/120 kDa(precursor)	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

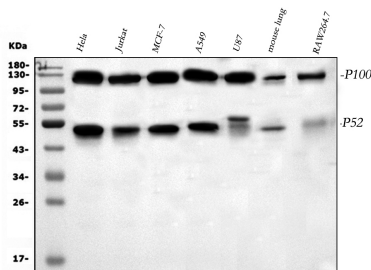
Background Information

NFKB2, also known as nuclear factor NF-kappa-B p100 subunit, is a protein that in humans is encoded by the NFKB2 gene. It is mapped to 10q24.32. This gene encodes a subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). NFkB is activated by a wide variety of stimuli such as cytokines, oxidant-free radicals, inhaled particles, ultraviolet irradiation, and bacterial or viral products. The NFkB complex is expressed in numerous cell types and functions as a central activator of genes involved in inflammation and immune function. The protein encoded by this gene can function as both a transcriptional activator or repressor depending on its dimerization partner.

Reference

Anti-NFkB/NFKB2 p100/p52 Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-NFkB/NFKB2 p100/p52 antibody (PB9150).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human Jurkat whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

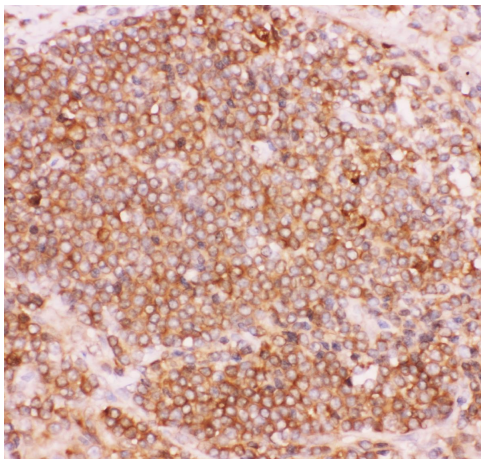
Lane 4: human A549 whole cell lysates,

Lane 5: human U87 whole cell lysates,

Lane 6: mouse lung tissue lysates,

Lane 7: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NFkB/NFKB2 p100/p52 antigen affinity purified polyclonal antibody (PB9150) and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NFkB/NFKB2 p100/p52 at approximately 52 kDa (active form), 120kDa (precursor). The expected band size for NFkB/NFKB2 p100/p52 is at 97 kDa.



IHC analysis of NFkB/NFKB2 p100/p52 using anti-NFkB/NFKB2 p100/p52 antibody (PB9150).

NFkB/NFKB2 p100/p52 was detected in a paraffin-embedded section of human lung cancer tissue. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.