

Basic Information

Product Name	Anti-IkB Beta/NFKBIB Antibody	
Gene Name	NFKBIB	
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 IKB beta recombinant protein (Position: E56-E237). Human IKB beta shares 82% and 80% amino acid (aa) sequence identity with mouse and rat IKB beta, respectively.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	45-48 kDa	
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.

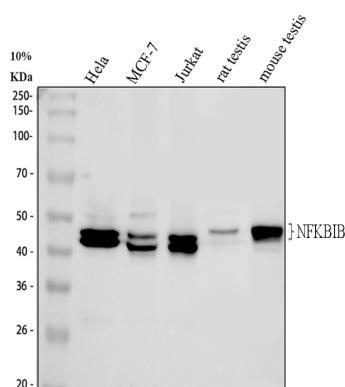
Background Information

NF-kappa-B inhibitor beta, also known as IKBB or TRIP9, is a protein that in humans is encoded by the NFKBIB gene. The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. This gene is mapped to 19q13.2. It has been found that in vivo, NFKBIB serves both to inhibit and to facilitate the inflammatory response. NFKBIB degradation releases NF-kappa-B dimers, which upregulate proinflammatory target genes such as TNF-alpha. Surprisingly, absence of NFKBIB results in a dramatic reduction of TNF-alpha in response to lipopolysaccharide, even though activation of NF-kappa-B is normal.

Reference

Anti-IkB Beta/NFKBIB Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of IkB Beta/NFKBIB using anti-IkB Beta/NFKBIB antibody (PB9292). 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 MCF-7 whole cell lysates,

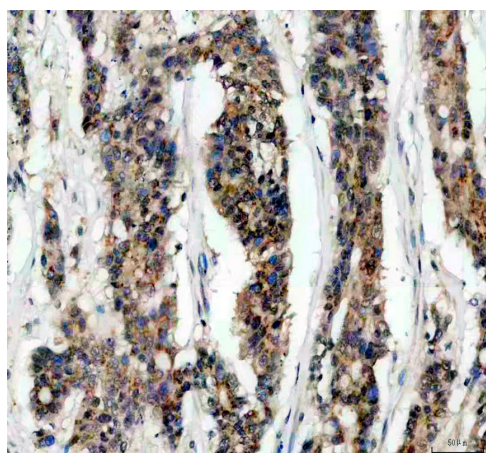
Lane 3: human Jurkat whole cell lysates,

Lane 4: rat testis tissue lysates,

Lane 5: mouse testis tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IkB Beta/NFKBIB antigen affinity purified polyclonal antibody (PB9292) at a dilution of 1:1000 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 IkB Beta/NFKBIB at approximately 45-48 kDa. The expected band size for IkB Beta/NFKBIB is at 38 kDa.



IHC analysis of IkB Beta/NFKBIB using anti-IkB Beta/NFKBIB antibody (PB9292).

IkB Beta/NFKBIB was detected in a paraffin-embedded section of human breast cancer tissue. The tissue section was incubated with rabbit anti-IkB Beta/NFKBIB Antibody (PB9292) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.