

Anti-NFkB p100/p52 Picoband Antibody
Catalog # ABO11848**Specification****Anti-NFkB p100/p52 Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	Q99836
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Nuclear factor NF-kappa-B p100 subunit(NFKB2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NFkB p100/p52 Picoband Antibody - Additional Information

Gene ID 4615

Other Names

Myeloid differentiation primary response protein MyD88, MYD88

Calculated MW

33233 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cytoplasm .

Tissue Specificity

Ubiquitous .

Protein Name

Nuclear factor NF-kappa-B p100 subunit

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human NFkB p100/p52 recombinant protein (Position: M1-R340). Human NFkB p100/p52 shares 96% amino acid (aa) sequence identity with mouse NFkB p100/p52.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities

Contains 7 ANK repeats.

Anti-NFkB p100/p52 Picoband Antibody - Protein Information

Name MYD88 ([HGNC:7562](#))

Function

Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response (PubMed: [15361868](http://www.uniprot.org/citations/15361868) target="_blank">15361868, PubMed: [18292575](http://www.uniprot.org/citations/18292575) target="_blank">18292575, PubMed: [33718825](http://www.uniprot.org/citations/33718825) target="_blank">33718825, PubMed: [37971847](http://www.uniprot.org/citations/37971847) target="_blank">37971847). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: [15361868](http://www.uniprot.org/citations/15361868) target="_blank">15361868, PubMed: [19506249](http://www.uniprot.org/citations/19506249) target="_blank">19506249, PubMed: [24316379](http://www.uniprot.org/citations/24316379) target="_blank">24316379). Increases IL-8 transcription (PubMed: [9013863](http://www.uniprot.org/citations/9013863) target="_blank">9013863). Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU- rich RNA) derived from viruses such as SARS-CoV-2, SARS-CoV and HIV-1, induces IL1B release through NLRP3 inflammasome activation (PubMed: [33718825](http://www.uniprot.org/citations/33718825) target="_blank">33718825). MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine (By similarity).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Ubiquitous..

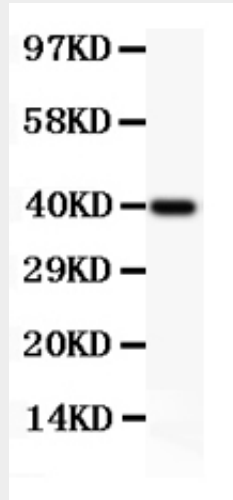
Anti-NFkB p100/p52 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

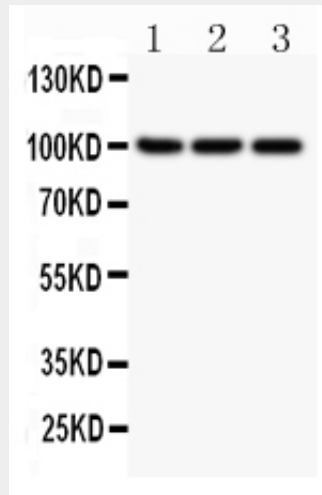
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

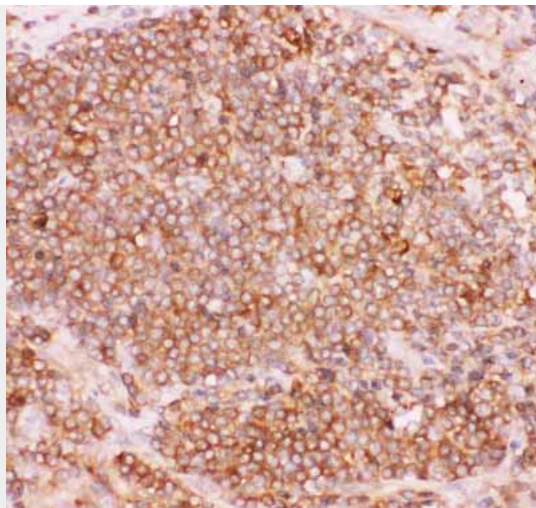
Anti-NFkB p100/p52 Picoband Antibody - Images



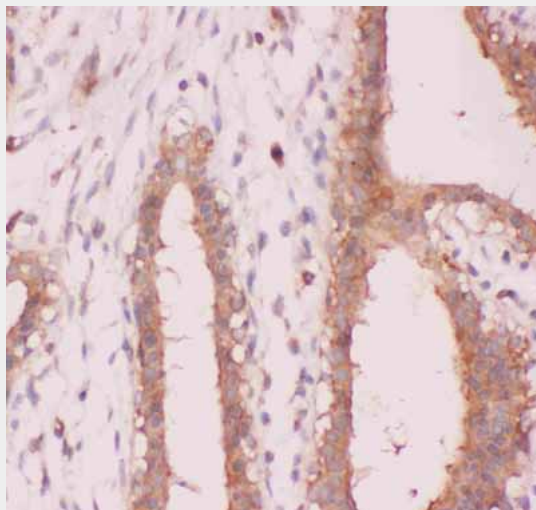
Anti-NFkB p100 Picoband antibody, ABO11848-1.jpg All lanes: Anti NFKBP100 (ABO11848) at 0.5ug/ml WB: Recombinant Human NFKBP100 Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD



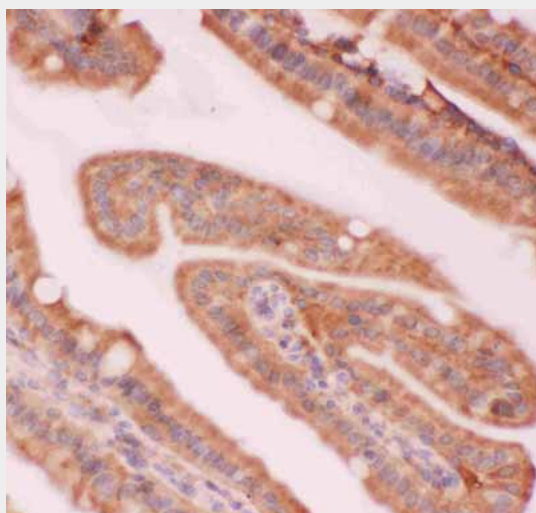
Anti-NFkB p100 Picoband antibody, ABO11848-2.jpg All lanes: Anti NFKBP100 (ABO11848) at 0.5ug/ml Lane 1: JURKAT Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 100KD Observed bind size: 100KD



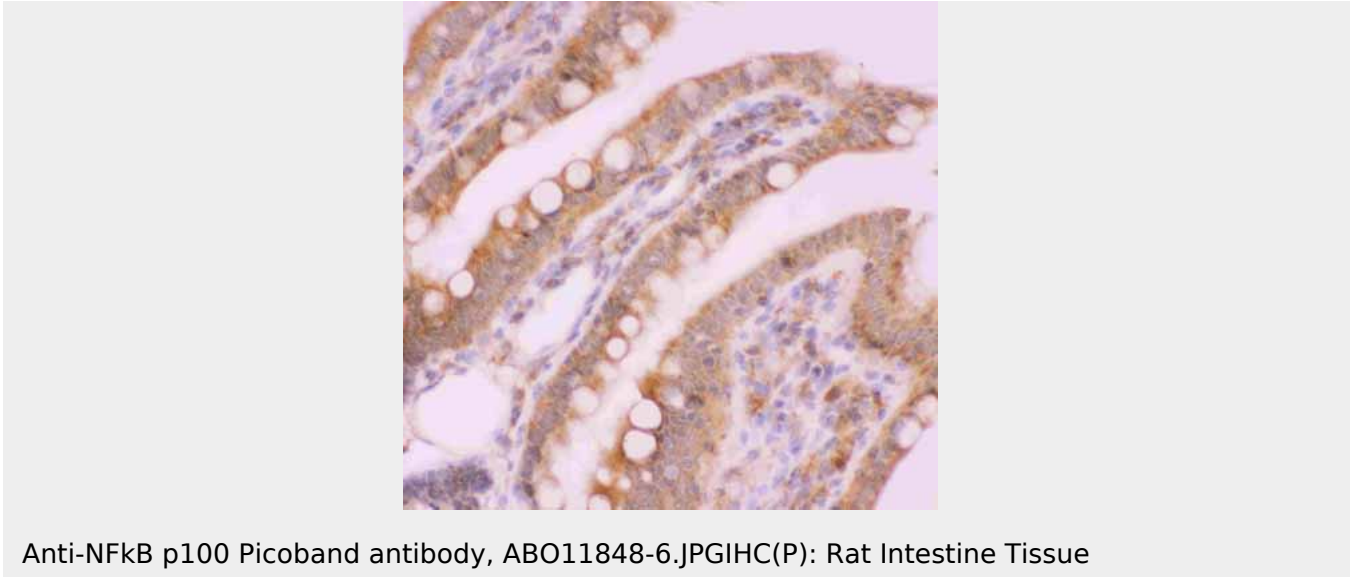
Anti-NFkB p100 Picoband antibody, ABO11848-3.JPGIHC(P): Human Lung Cancer Tissue



Anti-NFkB p100 Picoband antibody, ABO11848-4.JPGIHC(P): Human Mammary Cancer Tissue



Anti-NFkB p100 Picoband antibody, ABO11848-5.JPGIHC(P): Mouse Intestine Tissue



Anti-NFkB p100/p52 Picoband Antibody - Background

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.