

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

Application	WB, IHC
Primary Accession	<a href="#">Q99836</a>
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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**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<sup>o</sup>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</a>, PubMed: [18292575](http://www.uniprot.org/citations/18292575) target="\_blank">18292575</a>, PubMed: [33718825](http://www.uniprot.org/citations/33718825) target="\_blank">33718825</a>, PubMed: [37971847](http://www.uniprot.org/citations/37971847) target="\_blank">37971847</a>). 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</a>, PubMed: [19506249](http://www.uniprot.org/citations/19506249) target="\_blank">19506249</a>, PubMed: [24316379](http://www.uniprot.org/citations/24316379) target="\_blank">24316379</a>). Increases IL-8 transcription (PubMed: [9013863](http://www.uniprot.org/citations/9013863) target="\_blank">9013863</a>). 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</a>). 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..

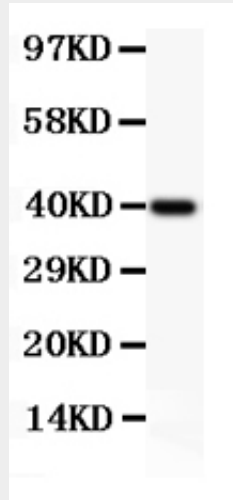
**Anti-NFkB p100/p52 Picoband Antibody - Protocols**

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

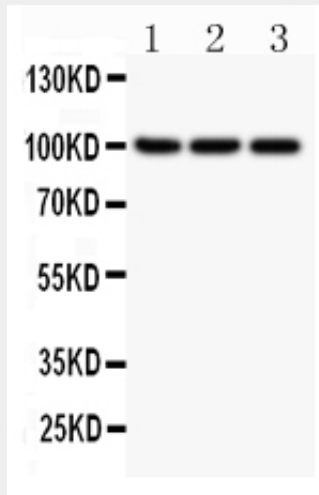
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

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

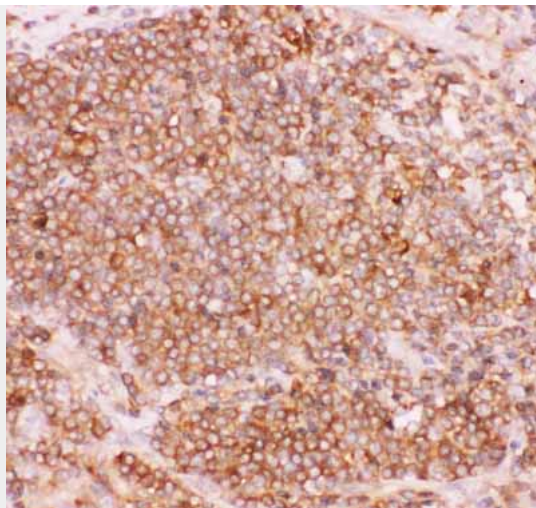
### Anti-NFkB p100/p52 Picoband Antibody - Images



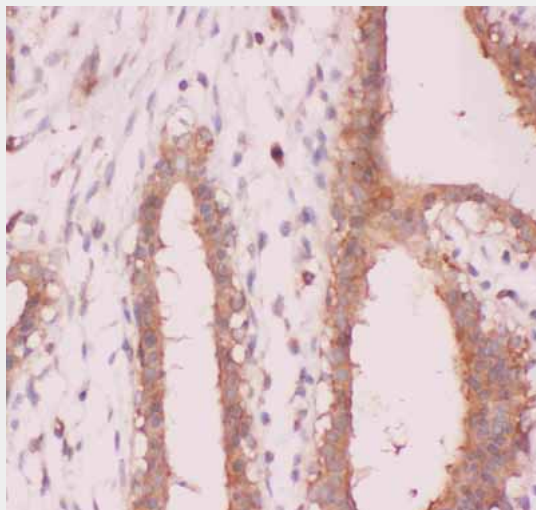
Anti-NFkB p100 Picoband antibody, ABO11848-1.jpg All lanes: Anti NFKBP100 (ABO11848) at 0.5ug/ml WB: Recombinant Human NFKBP100 Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD



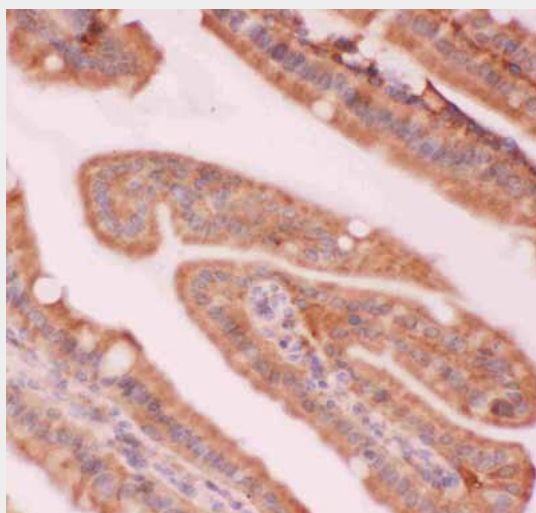
Anti-NFkB p100 Picoband antibody, ABO11848-2.jpg All lanes: Anti NFKBP100 (ABO11848) at 0.5ug/ml Lane 1: JURKAT Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 100KD Observed bind size: 100KD



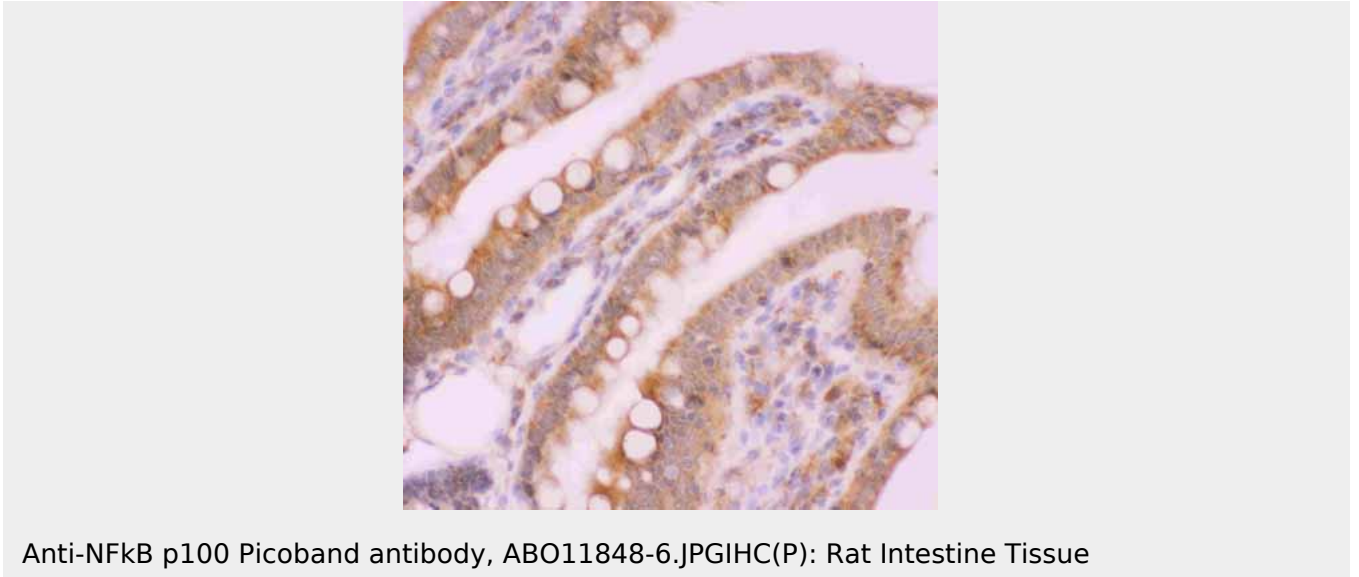
Anti-NFkB p100 Picoband antibody, ABO11848-3.JPGIHC(P): Human Lung Cancer Tissue



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.