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Anti-NFkB p100/p52 Picoband Antibody

Catalog # ABO11848

Product Information

Application	WB, IHC-P
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.

Additional Information

Gene ID	4615
Other Names	Myeloid differentiation primary response protein MyD88, MYD88
Calculated MW	33233
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Cytoplasm .
Tissue Specificity	Ubiquitous. .
Source	Eukaryota
Protein Name	Nuclear factor NF-kappa-B p100 subunit
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.

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, PubMed:18292575, PubMed:33718825, PubMed:37971847). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:15361868, PubMed:19506249, PubMed:24316379, PubMed:40638072). Increases IL-8 transcription (PubMed: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). 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..

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.

Images

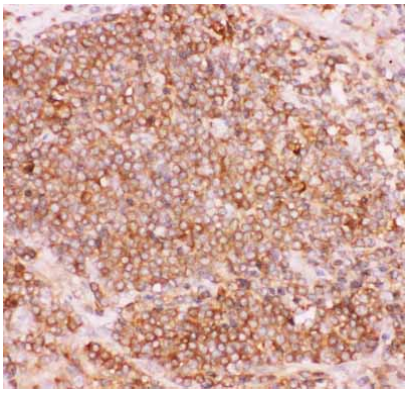


Anti-NFkB p100 Picoband antibody, ABO11848-1.jpgAll lanes: Anti NFKBP100 (ABO11848) at 0.5ug/mlWB: Recombinant Human NFKBP100 Protein 0.5ngPredicted bind size: 40KDObserved bind size: 40KD

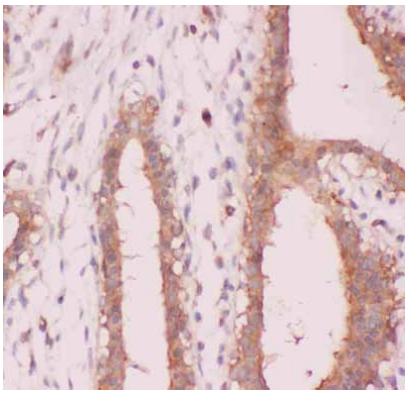
Anti-NFkB p100 Picoband antibody, ABO11848-2.jpgAll lanes: Anti NFKBP100 (ABO11848) at 0.5ug/mlLane 1: JURKAT Whole Cell Lysate at 40ugLane 2: A549 Whole Cell



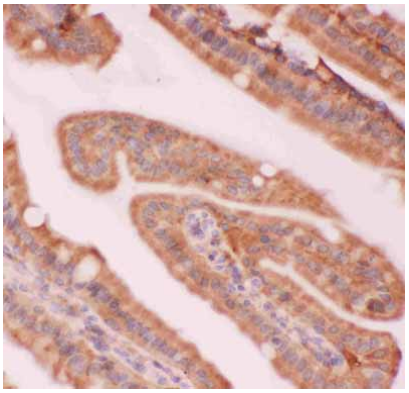
Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 100KDObserved bind size: 100KD



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

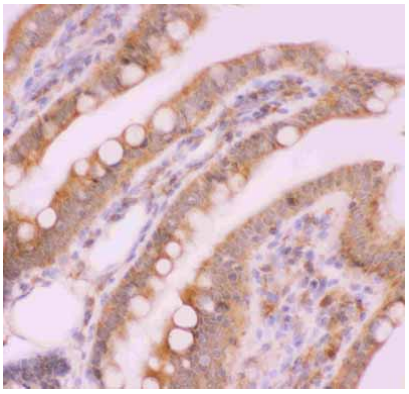


Anti-NFkB p100 Picoband antibody, ABO11848-4.JPGIHC(P): Human Mammary Cancer Tissue



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

Anti-NFkB p100 Picoband antibody, ABO11848-6.JPGIHC(P): Rat Intestine Tissue



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