NFKB2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) (NFKB2), Polyclonal Antibody
Full Product Name	Rabbit anti-human nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) polyclonal Antibody
Product Gene Name	anti-NFKB2 antibody
Product Synonym Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100); NFKB2; LYT-10; LYT10
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Antigen Affinity Purified
Molecular Weight	96,678 Da
OMIM	gene 615577
Immunogen	Human NFKB2
Storage Buffer	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3. -20 degree C, Avoid freeze / thaw cycles.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-298 / sc-848
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NFKB2 antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-NFKB2 antibody	MBS710588 is an antibody targeting NFKB2. Also known as Rabbit anti-human nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NFKB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NFKB2. It may not necessarily be applicable to this product.

NCBI GI #	119570085
NCBI GeneID	4791
NCBI Accession #	EAW49700.1
UniProt Secondary Accession #	Q04860; Q9BU75; Q9H471; Q9H472; A8K9D9; D3DR83
UniProt Related Accession #	Q00653; AAB23437
NCBI Official Full Name	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100), isoform CRA_a
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
NCBI Official Symbol	NFKB2

NCBI Official Synonym Symbols	p52; p100; H2TF1; LYT10; CVID10; LYT-10; NF-kB2
UniProt Protein Name	Nuclear factor NF-kappa-B p100 subunit
UniProt Synonym Protein Names	DNA-binding factor KBF2; H2TF1; Lymphocyte translocation chromosome 10 protein; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2; Oncogene Lyt-10; Lyt10
Protein Family	Nuclear factor
UniProt Gene Name	NFKB2
UniProt Synonym Gene Names	LYT10; Lyt10
UniProt Entry Name	NFKB2_HUMAN
NCBI Protein Information	nuclear factor NF-kappa-B p100 subunit; oncogene Lyt-10; NFKB, p52/p100 subunit; DNA-binding factor KBF2; transcription factor NFKB2; nuclear factor Kappa-B, subunit 2; nuclear factor NF-kappa-B p52 subunit; lymphocyte translocation chromosome 10 protein; nuclear factor of Kappa light chain gene enhancer in B cells 2
NCBI Summary for NFKB2	This gene encodes a subunit of the transcription factor complex nuclear factor-kappa-B (NFkB). 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. The p100 full-length protein is co-translationally processed into a p52 active form. Chromosomal rearrangements and translocations of this locus have been observed in B cell lymphomas, some of which may result in the formation of fusion proteins. There is a pseudogene for this gene on chromosome 18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
UniProt Comments for NFKB2	NFkB-p100: a transcription factor of the nuclear factor-kappaB (NFkB) group. Precursor of the p52 subunit of the nuclear factor NF-kappa-B, which binds to the kappa-B consensus sequence 5'-GGRNNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions. The precursor protein itself does not bind to DNA. LT-beta receptor agonists and LPS induce NF-kappaB/p100 processing to p52 at the level of the ribosome. There are five NFkB proteins in mammals (RelA/NFkB-p65, RelB, c-Rel, NF-_B1/NFkB-p105, and NF-_B2/NFkB-p100). They form a variety of homodimers and heterodimers, each of which activates its own characteristic set of genes. Two spliced isoforms have been identified. Isoform p49 is a subunit of the NF-kappa-B protein complex, which stimulates the HIV enhancer in synergy with p65. Protein type: Oncoprotein; DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 10q24 Cellular Component: nucleoplasm; Bcl3/NF-kappaB2 complex; cytoplasm; nucleus; cytosol Molecular Function: protein binding; transcription coactivator activity; chromatin binding; transcription factor activity Biological Process: spleen development; I-kappaB kinase/NF-kappaB cascade; extracellular matrix organization and biogenesis; transcription, DNA-dependent; MyD88-independent toll-like receptor signaling pathway; follicular dendritic cell differentiation; rhythmic process; toll-like receptor 3 signaling pathway; negative regulation of transcription from RNA polymerase II promoter; toll-like receptor 10 signaling pathway; toll-like receptor 2 signaling pathway; activation of NF-kappaB transcription factor; toll-like receptor 5 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; regulation of transcription, DNA-dependent; response to cytokine stimulus; toll-like receptor signaling pathway; germinal center formation; positive regulation of interferon type I production; innate immune response; positive regulation of transcription from RNA polymerase II promoter; toll-like receptor 9 signaling pathway; inflammatory response; toll-like receptor 4 signaling pathway Disease: Immunodeficiency, Common Variable, 10
Research Articles on NFKB2	**1.** higher level of expression is associated with death in non-small cell lung cancer
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