

Datasheet for ABIN3044018
anti-NFKB2 antibody (N-Term)



[Go to Product page](#)

3 Images

7 Publications

Overview

Quantity:	100 µg
Target:	NFKB2
Binding Specificity:	AA 5-21, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-NFkB/NFKB2 p100/p52 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of mouse NFkB/NFKB2 p100/p52, identical to the related rat sequence.
Sequence:	YDPGLDGIPE YDDFEFS
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NFkB/NFKB2 p100/p52 Antibody (ABIN3044018). Tested in IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: NFKB2

Alternative Name: NFKB2 ([NFKB2 Products](#))

Background: Synonyms: Nuclear factor NF-kappa-B p100 subunit,DNA-binding factor KBF2,Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2,Nuclear factor NF-kappa-B p52 subunit,Nfkb2,

Tissue Specificity: Highly expressed in lymph nodes and thymus. .

Background: NFKB2 (Nuclear Factor Kappa-B, Subunit 2), also known as NFKB or p52/p100 SUBUNIT, is a protein that in humans is encoded by the NFKB2 gene. Liptay et al. (1992) mapped the gene for what they called the p49/p100 subunit of NFKB (NFKB2) to chromosome 10 by Southern blot analysis of panels of human/Chinese hamster cell hybrids. By fluorescence in situ hybridization (FISH), they confirmed the localization and mapped the gene with greater resolution to 10q24. NFKB2 appears to be the same as LYT10. Claudio et al. (2002) showed that bone marrow (BM) cells from Nfkb2-deficient mice, but not Nfkb1-deficient mice, failed to increase relative and total IgD-positive transitional-1 (T1) stage B cells in response to Baff. In vivo, however, Nfkb2-deficient mice did generate mature B cells, but at reduced numbers. Mice of the aly/aly strain, which are naturally deficient in Nik, and mice of the A/WySNJ strain, which have a mutation in Baffr, also failed to produce T1 B cells in response to Baff. Baff stimulation enhanced expression of Bcl2 in T1 B cells, thereby promoting B-cell survival, and caused the processing of the p100 form of Nfkb2 to p52, which again required Baffr and Nik, but not Nemo (IKKG). Immunoblot analysis showed that BM cells contained primarily p100.

Sequence Similarities: Contains 7 ANK repeats.

Molecular Weight: 43 kDa

Pathways: [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Rat, Mouse
Western blot, 0.1-0.5 µg/mL, Mouse, Rat
1. Claudio, E., Brown, K., Park, S., Wang, H., Siebenlist, U. BAFF-induced NEMO-independent processing of NF-kappa-B2 in maturing B cells. Nature Immun. 3: 958-965, 2002. 2. Liptay, S., Schmid, R. M., Perkins, N. D., Meltzer, P., Altherr, M. R., McPherson, J. D., Wasmuth, J. J., Nabel,

Application Details

G. J. Related subunits of NF-kappa-B map to two distinct loci associated with translocations in leukemia, NFKB1 and NFKB2. Genomics 13: 287-292, 1992. 3. Tucker, E., O'Donnell, K., Fuchsberger, M., Hilton, A. A., Metcalf, D., Greig, K., Sims, N. A., Quinn, J. M., Alexander, W. S., Hilton, D. J., Kile, B. T., Tarlinton, D. M., Starr, R. A novel mutation in the Nfkb2 gene generates an NF-kappa-B2 'super repressor' J. Immun. 179: 7514-7522, 2007.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Li, Xiao, Li, Li, Zeng, Liu, Liang, Li, Chu, Yang: "Hydrogen sulfide reduced renal tissue fibrosis by regulating autophagy in diabetic rats." in: **Molecular medicine reports**, Vol. 16, Issue 2, pp. 1715-1722, (2018) ([PubMed](#)).

Sun, Xue, Xue, Ren, Wu, Wang: "Acetylpuerarin protects against OGD-induced cell injury in BV2

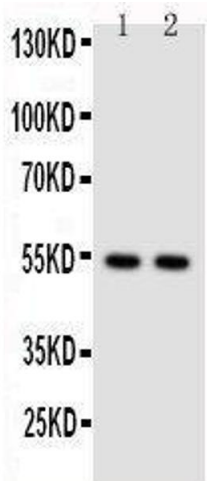
microglia by inhibiting HMGB1 release." in: **Die Pharmazie**, Vol. 73, Issue 2, pp. 92-97, (2018) ([PubMed](#)).

Liu, Jia, Chong, Jiang, Yang, Li, Ma, Sun, Zhou: "Effects of oral cimetidine on the reproductive system of male rats." in: **Experimental and therapeutic medicine**, Vol. 15, Issue 6, pp. 4643-4650, (2018) ([PubMed](#)).

Yao, Lu, Shi, Xu, Cai: "Neuroprotective effect of combining tanshinone IIA with low-dose methylprednisolone following acute spinal cord injury in rats." in: **Experimental and therapeutic medicine**, Vol. 13, Issue 5, pp. 2193-2202, (2017) ([PubMed](#)).

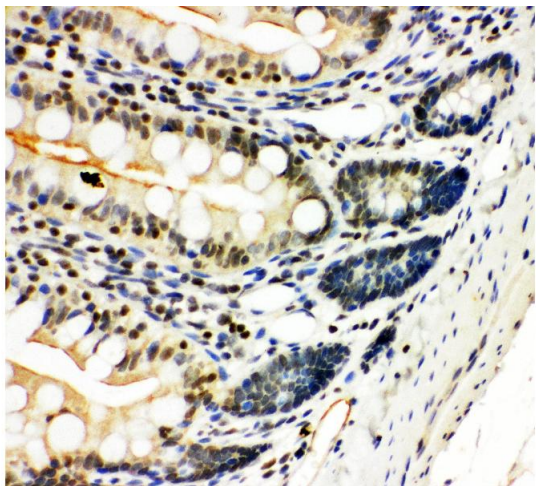
Kan, Zhou, Jin, Yang: "Effects of PDTC on NF- κ B expression and apoptosis in rats with severe acute pancreatitis-associated lung injury." in: **International journal of clinical and experimental medicine**, Vol. 8, Issue 3, pp. 3258-70, (2015) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



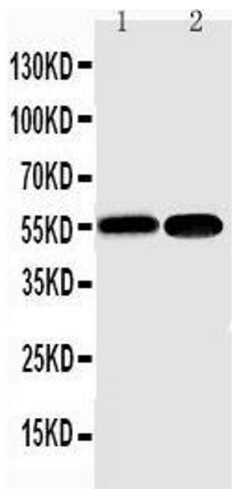
Western Blotting

Image 1. Anti-NFkB p100/p52 antibody, Western blotting
Lane 1: HELA Cell Lysate Lane 2: JURKAT Cell Lysate



Immunohistochemistry

Image 2. Anti-NFkB p100/p52 antibody, IHC(P) IHC(P): Rat Intestine Tissue



Western Blotting

Image 3. Anti-NFkB p100/p52 antibody, Western blotting
Lane 1: Mouse Liver Tissue Lysate Lane 2: HEPA Cell Lysate