

Nur für Forschungszwecke

NFKB1,p105,p50 Polyklonaler Antikörper



Katalog-Nr.:14220-1-AP

148 Publikationen

Allgemeine Informationen

Katalog-Nr.: 14220-1-AP	GenBank-Zugangsnummer: BC051765	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 4790	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:1000-1:6000 für WB
Wirt: Kaninchen	Vollständiger Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 105 kDa	
Immunogen Katalognummer: AG5458	Beobachtete Masse: 50 kDa, 105 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IP, WB, ELISA	Positivkontrollen: WB : A431-Zellen, HeLa-Zellen, Jurkat-Zellen, Raji-Zellen, U-87 MG-Zellen
In Publikationen genannte Anwendungen: ChIP, IF, IHC, IP, RIP, WB	IP: Jurkat-Zellen,
Getestete Reaktivität: Human, Ratte	IF: HepG2-Zellen,
Zitierte Arten: Hausschwein, Huhn, Human, Hund, Maus, Ratte, Rind	

Hintergrundinformationen

NFKB is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFKB is activated by various intra- and extracellular stimuli such as cytokines, oxidant free radicals, ultraviolet irradiation, and bacterial or viral products. NFKB is a family of transcription factors that consists of homo- and heterodimers of NFKB1/p50 and RelA/p65 subunits, and controls a variety of cellular events including development and immune responses. All members share a conserved amino terminus domain that includes dimerization, nuclear localization, and DNA binding regions, and a carboxy terminal transactivation domain. Serines 529 and 536 in the transactivation domain of RelA/p65 are phosphorylated in response to several stimuli including phorbol ester, IL1 alpha and TNF alpha as mediated by Ikb kinase and p38 MAPK. Phosphorylation of serines 529 and 536 is critical for RelA/p65 transcriptional activity. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p105 and generation of p50 by a cotranslational processing. This antibody can bind both p105 and p50 isoforms of NFKB1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zhichao Dou	32956704	Exp Cell Res	WB
Di Huang	30224822	Nat Immunol	
Tahir Mehmood	27628030	Biofactors	WB

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

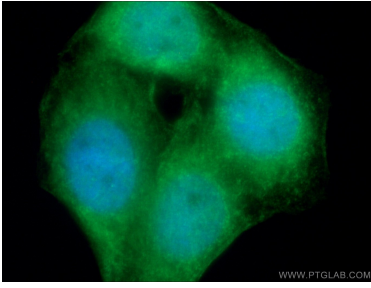
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

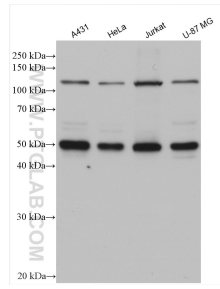
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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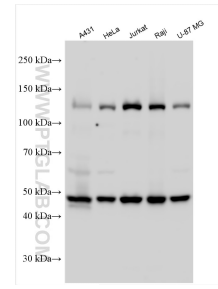
Ausgewählte Validierungsdaten



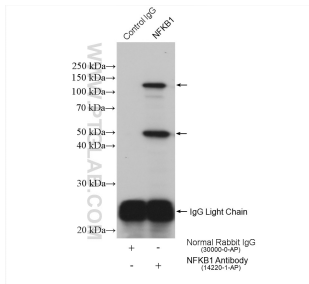
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 14220-1-AP (NFKB1,p105,p50 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 14220-1-AP (NFKB1,p105,p50 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 14220-1-AP (NFKB1,p105,p50 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-NFKB1,p105,p50 (IP:14220-1-AP, 4ug; Detection:14220-1-AP 1:3000) with Jurkat cells lysate 2280 ug.