À des fins de recherche uniquement

Anticorps Monoclonal anti-NFKB1,p105,p50

Numéro de catalogue:66992-1-Ig 2 Publications

Informations de base

Numéro de catalogue:
66992-1-Ig

Taille:
150ul , Concentration: 1500 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG5832

Numéro d'acquisition GenBank:
BC051765

Identification du gène (NCBI):
4790

Nom complet:
nuclear factor of kappa light polypeptide gene enhancer in B-cells 1

MW calculé
105 kDa

MW observés:
50 kDa, 105 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
2G1E3

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:150-1:600
IF 1:500-1:2000

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules HeLa, cellules Jurkat, cellules K-562, cellules THP-1

IHC : tissu de cancer du sein humain,

IF : cellules HepG2,

Informations générales

NFkB is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processed 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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Aihong Li	34469792	J Ethnopharmacol	IF
Xuan Li	36717921	Cell Commun Signal	IF,WB

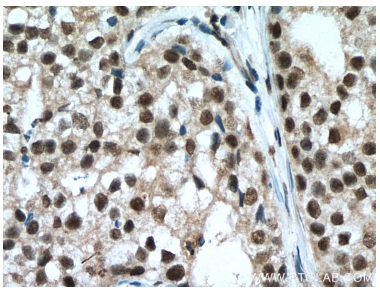
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

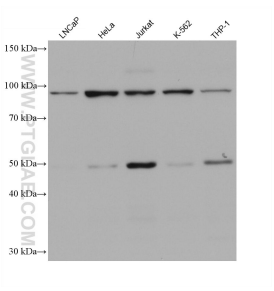
*** Les 20ul contiennent 0,1% de BSA.

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

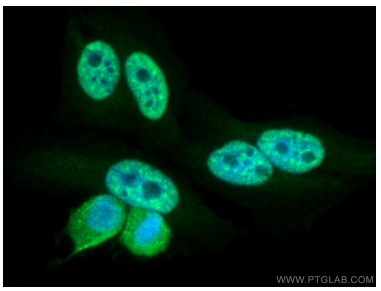
Données de validation sélectionnées



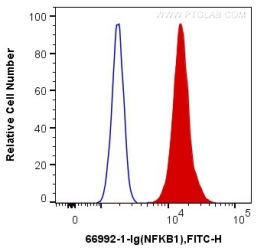
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66992-1-Ig (NFKB1,p105,p50 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66992-1-Ig (NFKB1,p105,p50 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NFKB1,p105,p50 antibody (66992-1-Ig, Clone: 2G1E3) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human NFKB1,p105,p50 (66992-1-Ig, Clone:2G1E3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).