For Research Use Only

NFKB1,p105,p50 Monoclonal antibody

Catalog Number:66992-1-lg 9 Publications



Basic Information	Catalog Number: 66992-1-lg	GenBank Accession Number: BC051765	Purification Method: Protein A purification
	Size:	GenelD (NCBI):	CloneNo.:
	150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford		2G1E3
	method using BSA as the standard;	UNIPROT ID: P19838	Recommended Dilutions: WB: 1:5000-1:50000
	Source: Mouse	Full Name:	IHC: 1:2000-1:8000 IF/ICC: 1:500-1:2000
	lsotype:	nuclear factor of kappa light polypeptide gene enhancer in B-cell	EC (Intra): 0 (0 up par 1046 colls in a
	IgG2a Immunogen Catalog Number:	1 Calculated MW:	
	AG5832	105 kDa	
		Observed MW: 50 kDa, 105 kDa	
Applications	Tested Applications:	Positive Controls:	
	Cited Applications: THP-1 cells		ells, HeLa cells, Jurkat cells, K-562 cells,
	WB, IF, ChIP Species Specificity: human, mouse	appendicitis	stomach cancer tissue, human tissue, human breast cancer tissue, cancer tissue, human lymphoma tissue
	Cited Species:	IF/ICC : Hep0	• •
	human, mouse	FC (Intra) : He	epG2 cells,
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	ely, antigen	
Background Information	processed such as inflammation, imm activated by various intra- and extract and bacterial or viral products. NFkB i NFkB1/p50 and RelA/p65 subunits, ar responses. All members share a conse and DNA binding regions, and a carbo domain of RelA/p65 are phosphorylat alpha as mediated by IkB kinase and transcriptional activity. Activated NFI involved in a wide variety of biologic number of inflammatory diseases wh development or delayed cell growth.	unity, differentiation, cell growth, tuu ellular stimuli such as cytokines, oxid s a family of transcription factors that id controls a variety of cellular event rved amino terminus domain that in xy terminal transactivation domain. Ba MAPK. Phosphorylation of serines (B translocates into the nucleus and s al functions. Inappropriate activation ile persistent inhibition of NFkB lead NFKB1 appears to have dual function 5 and generation of p50 by a cotranslo	dant free radicals, ultraviolet irradiation, consists of homo- and heterodimers of including development and immune cludes dimerization, nuclear localization, Serines 529 and 536 in the transactivatior uding phorbol ester, IL1 alpha and TNF s 529 and 536 is critical for RelA/p65 timulates the expression of genes of NFkB has been associated with a s to inappropriate immune cell
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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.comW: ptglab.com

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Selected Validation Data



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



Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using 66992-1-1g (NFKB1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using 66992-1-1g (NFKB1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66992-1-Ig (NFKB1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66992-1-1g (NFKB1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).