Datasheet for ABIN7138715

anti-IKBKG antibody (pSer85)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	IKBKG
Binding Specificity:	pSer85
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKBKG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 85 (Q-A-S(p)-Q-R) derived from Human IKK-gamma.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	IKBKG
Alternative Name:	IKBKG (IKBKG Products)

Target Details

Background:	Background: Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. However, the specific type of polyubiquitin recognized upon cell stimulation (either 'Lys-63'-linked or linear polyubiquitin) and its functional importance is reported conflictingly. Also considered to be a mediator for TAX activation of NF-kappa-B. Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3. Involved in TLR3- and IFIH1-mediated antiviral innate response, this function requires 'Lys-27'-linked polyubiquitination.Niu J, Shi Y, Iwai K, Wu ZH (2011) EMBO J 30, 3741-53. Wu ZH, et al. (2010)Mol Cell 40, 75-86. Palkowitsch L, Leidner J, Ghosh S, Marienfeld RB (2008)J Biol Chem 283, 76-86. Aliases: IkB kinase associated protein 1 antibody, IkB kinase subunit gamma antibody, Inhibitor of nuclear factor kappa B kinase subunit gamma antibody, AMCBX1 antibody, FIP 3 antibody, FIP-3 antibody, FIP3 antibody, Fip3p antibody, I kappa B kinase gamma antibody, I-kappa-B kinase subunit gamma antibody, IkB kinase gamma subunit antibody, IkB kinase subunit gamma antibody, IkB kinase-associated protein 1 antibody, Ikbkg antibody, IKK gamma antibody, IKK-gamma antibody, IKKAP1 antibody, IKKG antibody, IMD33 antibody, Incontinentia pigmenti antibody, Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase gamma antibody, Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase of, gamma antibody, Inhibitor of nuclear factor kappa-B kinase subunit gamma antibody, IP antibody, IP1 antibody, IP2 antibody, IPD2 antibody, NEMO antibody, NEMO_HUMAN antibody, NF kappa B essential modifier antibody, NF kappa B essential modulator antibody, NF-kappa-B essential modifier antibody, NF-kappa-B essential modulator antibody, ZC2HC9 antibody
UniProt:	Q9Y6K9
Pathways:	NF-kappaB Signaling, RTK Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, M Phase, Production of Molecular Mediator of Immune Response, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, BCR Signaling, Ubiquitin Proteasome Pathway, S100 Proteins

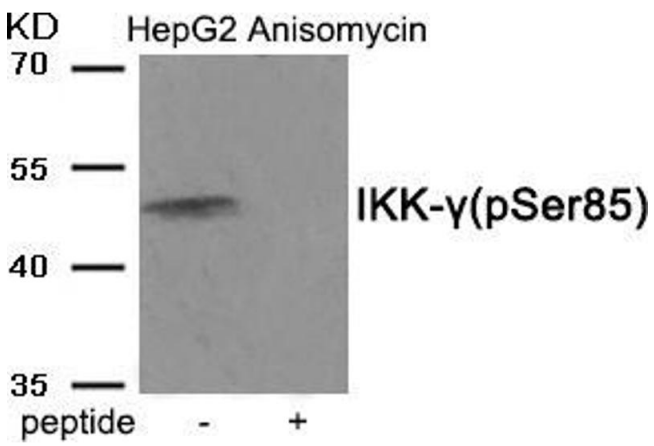
Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with Anisomycin using Phospho-IKK-gamma (Ser85) antibody.The lane on the right is treated with the antigen-specific peptide.