

# Product Datasheet

## IKK gamma Antibody (72C627) - BSA Free NB100-56542

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-56542**

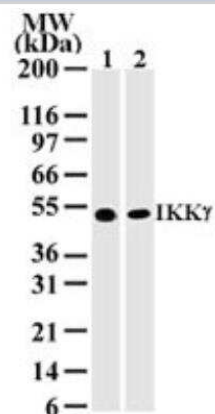
IKK gamma Antibody (72C627) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	72C627
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	8517
Gene Symbol	IKBKG
Species	Human, Mouse
Immunogen	This antibody was raised against a His-tagged full-length human IKK3/IKKg protein.
Product Application Details	
Applications	Western Blot, Simple Western
Recommended Dilutions	Western Blot 2-5 ug/ml, Simple Western 1:200
Application Notes	A 48 kDa band is observed.



## Images

Western Blot: IKK gamma Antibody (72C627) [NB100-56542] - Analysis using IKK gamma (NEMO) antibody. Lysate from 1) human Jurkat and 2) mouse NIH 3T3 cells probed with IKK gamma antibody at 2 ug/ml.



Simple Western: IKK gamma Antibody (72C627) [NB100-56542] - Simple Western lane view shows a specific band for IKK gamma in 0.05 mg/ml of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Harikumar KB, Sung B, Pandey MK et al. Escin, a pentacyclic triterpene, chemosensitizes human tumor cells through inhibition of nuclear factor-kappaB signaling pathway Mol Pharmacol 2010-05-01 [PMID: 20103608]

### Details:

This citation used the Alexa Fluor 488 version of this antibody.

Konrath F, Witt J, Sauter TK, Kulms D. Identification of new Ikb $\alpha$  complexes by an iterative experimental and mathematical modeling approach. PLoS Comput. Biol. 2014-03-01 [PMID: 24675998] (WB, Human)

### Details:

kB epithelial carcinoma cell line, Fig 5E-G. The specificity of the Ikk $\gamma$  mAb was validated with an IP/WB assay by showing in WB that it recognized Ikk $\gamma$  IP'd from kB cells with a different Ikk $\gamma$  antibody (Fig 5G).

Ren T, Takahashi Y, Liu X et al. HTLV-1 Tax deregulates autophagy by recruiting autophagic molecules into lipid raft microdomains. Oncogene 2013-12-23 [PMID: 24362528] (WB, Human)

Lamothe B, Campos AD, Webster WK et al. The RING domain and first zinc finger of TRAF6 coordinate signaling by interleukin-1, lipopolysaccharide, and RANKL. J Biol Chem. 2008-09-05 [PMID: 18617513] (WB, Mouse)

Han HS, Karabiyikoglu M, Kelly S et al. Mild hypothermia inhibits nuclear factor-kappaB translocation in experimental stroke. J Cereb Blood Flow Metab. 2003-05-01 [PMID: 12771574]

### Details:

Products cited for western blot in male Sprague-Dawley rats ischemic cortex, ischemic subcortex, contralateral cortex, and contralateral subcortex tissue. The rats were subject to mild and delayed hypothermia. 1. IKK- $\gamma$  (IMG-324A): Fig 4A & 4B. 2. Ikb $\alpha$ -

Wunderlich FT, Luedde T, Singer S et al. Hepatic NF-kappa B essential modulator deficiency prevents obesity-induced insulin resistance but synergizes with high-fat feeding in tumorigenesis. Proc Natl Acad Sci U S A. 2008-01-29 [PMID: 18216263] (WB)

Siggs OM, Berger M, Krebs P et al. A mutation of Ikbkg causes immune deficiency without impairing degradation of Ikb $\alpha$ . Proc Natl Acad Sci U S A. 2010-02-16 [PMID: 20133626]

### Details:

NEMO (IMG-324A): WB (mouse macrophage lysates), Fig 2C.





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### **Products Related to NB100-56542**

NB800-PC2	Jurkat Whole Cell Lysate
NBP2-26504	IKK gamma Inhibitor Peptide Set
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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