

# Product Datasheet

## IKK gamma Antibody (46B844) NB100-56532

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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**NB100-56532**

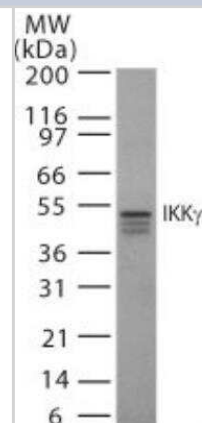
IKK gamma Antibody (46B844)

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	46B844
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS containing 0.05% BSA
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	8517
<b>Gene Symbol</b>	IKBKG
<b>Species</b>	Human
<b>Immunogen</b>	Full-length human IKK gamma protein.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Flow Cytometry 1:10-1:1000
<b>Application Notes</b>	A 48 kDa band is observed.

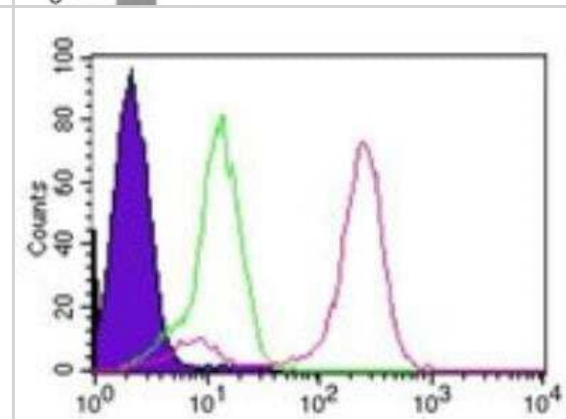


## Images

Western Blot: IKK gamma Antibody (46B844) [NB100-56532] - Analysis using NEMO (IKKgamma) antibody. Lysate from human Jurkat cells probed with NEMO antibody at 2 ug/ml. The goat anti-mouse IgG1 HRP secondary and PicoTect ECL substrate solution were used for this test.



Flow Cytometry: IKK gamma Antibody (46B844) [NB100-56532] - Human Jurkat cells were probed using 0.1 ug of NEMO antibody (red) and 0.1 ug of isotype control (green), with shaded histogram representing cells alone and an anti-mouse IgG-FITC secondary antibody.



## 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] (WB)

### Details:

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

Harhaj EW, Good L, Xiao G et al. Somatic mutagenesis studies of NF-kappa B signaling in human T cells: evidence for an essential role of IKK gamma in NF-kappa B activation by T-cell costimulatory signals and HTLV-I Tax protein. *Oncogene*. 2000-03-09 [PMID: 10723136]

Harhaj EW, Sun SC. IKKgamma serves as a docking subunit of the IkappaB kinase (IKK) and mediates interaction of IKK with the human T-cell leukemia virus Tax protein. *J Biol Chem*. 1999-08-13 [PMID: 10438454]

Xiao G, Harhaj EW, Sun SC. Domain-specific interaction with the I kappa B kinase (IKK)regulatory subunit IKK gamma is an essential step in tax-mediated activation of IKK. *J Biol Chem*. 2000-11-03 [PMID: 10906125]

Miller BS, Zandi E. Complete reconstitution of human IkappaB kinase (IKK) complex in yeast. Assessment of its stoichiometry and the role of IKKgamma on the complex activity in the absence of stimulation. *J Biol Chem*. 2001-09-28 [PMID: 11470787]



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### **Products Related to NB100-56532**

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NBP2-26504	IKK gamma Inhibitor Peptide Set
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **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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