

# Product Datasheet

## I $\kappa$ B-alpha Antibody (6A920) [Biotin] NBP2-24815

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP2-24815**I $\kappa$ B-alpha Antibody (6A920) [Biotin]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	6A920
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Biotin
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4792
<b>Gene Symbol</b>	NFKBIA
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in the scientific literature (PMID: 23840265).
<b>Specificity/Sensitivity</b>	A 40 kDa band is observed.
<b>Immunogen</b>	A recombinant protein corresponding to amino acid residues 32-291 of human I $\kappa$ B $\alpha$ was used as immunogen.

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunocytochemistry/ Immunofluorescence, Knockout Validated
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence, Knockout Validated
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



## 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.

Saccani S, Pantano S, Natoli G. Two waves of nuclear factor kappaB recruitment to target promoters. *J Exp Med*. 2001-06-18 [PMID: 11413190]

Delhase M, Kim SY, Lee H et al. TANK-binding kinase 1 (TBK1) controls cell survival through PAI-2/serpinB2 and transglutaminase 2. *Proc Natl Acad Sci U S A*. 2012-01-24 [PMID: 22203995]

Pejanovic N, Hochrainer K, Liu T et al. Regulation of nuclear factor kB (NF-kB) transcriptional activity via p65 acetylation by the chaperonin containing TCP1 (CCT). *PLoS One*. 2012-01-01 [PMID: 22860050]

Ikezoe T, Yang Y, Heber D et al. PC-SPES: a potent inhibitor of nuclear factor-kappa B rescues mice from lipopolysaccharide-induced septic shock. *Mol Pharmacol*. 2003-12-01 [PMID: 14645683]

Saccani S, Pantano S, Natoli G. p38-Dependent marking of inflammatory genes for increased NF-kappa B recruitment. *Nat Immunol*. 2002-01-01 [PMID: 11743587]

Saccani S, Pantano S, Natoli G. Modulation of NF-kappaB activity by exchange of dimers. *Mol Cell*. 2003-06-01 [PMID: 12820969]

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-

Saccani S, Marazzi I, Beg AA, Natoli G. Degradation of promoter-bound p65/RelA is essential for the prompt termination of the nuclear factor kappaB response. *J Exp Med*. 2004-07-05 [PMID: 15226358]

Xia YF, Ye BQ, Li YD et al. Andrographolide attenuates inflammation by inhibition of NF-kappa B activation through covalent modification of reduced cysteine 62 of p50. *J Immunol*. 2004-09-15 [PMID: 15356172]





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-24815**

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NBP2-29370	Streptavidin Native Protein
IC002B	Mouse IgG1 Isotype Control (11711) [Biotin]
NB100-56507APC	IkB-alpha Antibody (6A920) [Allophycocyanin]
NB120-22071PEP	IkB-alpha Antibody Blocking Peptide

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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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