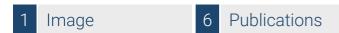


Datasheet for ABIN2668625 anti-NFKBIA antibody (AA 32-291)





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Overview		
Quantity:	100 μg	
Target:	NFKBIA	
Binding Specificity:	AA 32-291	
Reactivity:	Human, Mouse	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This NFKBIA antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This IkappaBalpha antibody was raised against a recombinant protein corresponding to amino acid residues 32-291 of human IkappaBalpha.	
Clone:	6A920	
Isotype:	lgG1	
Purification:	Affinity Purified	
Target Details		
Target:	NFKBIA	
Alternative Name:	IkappaBalpha (NFKBIA Products)	
Molecular Weight:	40 kDa	

Target Details

Gene ID:	4792
Pathways:	NF-kappaB Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway,
	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin,
	Maintenance of Protein Location, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors
	Cascades, BCR Signaling
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Concentration:	0.5 μg/μL
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-80 °C
Storage Comment:	Antibodies in solution can be stored at -80 °C for 2 years.
Expiry Date:	6 months
Publications	
Product cited in:	Blaabjerg, Christensen, Matsumoto, van der Meulen, Huising, Billestrup, Vale: "CRFR1 activation
	protects against cytokine-induced β -cell death." in: Journal of molecular endocrinology , Vol. 53
	, Issue 3, pp. 417-27, (2014) (PubMed).
	Syeda, Grosjean, Houliston, Keogh, Carter, Paleolog, Wheeler-Jones: "Cyclooxygenase-2
	induction and prostacyclin release by protease-activated receptors in endothelial cells require

Frobøse, Rønn, Heding, Mendoza, Cohen, Mandrup-Poulsen, Billestrup: "Suppressor of cytokine Signaling-3 inhibits interleukin-1 signaling by targeting the TRAF-6/TAK1 complex." in:

cooperation between mitogen-activated protein kinase and NF-kappaB pathways." in: The

Journal of biological chemistry, Vol. 281, Issue 17, pp. 11792-804, (2006) (PubMed).

Molecular endocrinology (Baltimore, Md.), Vol. 20, Issue 7, pp. 1587-96, (2006) (PubMed).

Jeong, Pise-Masison, Radonovich, Park, Brady: "A novel NF-kappaB pathway involving IKKbeta and p65/RelA Ser-536 phosphorylation results in p53 Inhibition in the absence of NF-kappaB transcriptional activity." in: **The Journal of biological chemistry**, Vol. 280, Issue 11, pp. 10326-32, (2005) (PubMed).

Larsen, Størling, Darville, Eizirik, Bonny, Billestrup, Mandrup-Poulsen: "Extracellular signal-regulated kinase is essential for interleukin-1-induced and nuclear factor kappaB-mediated gene expression in insulin-producing INS-1E cells." in: **Diabetologia**, Vol. 48, Issue 12, pp. 2582-90, (2005) (PubMed).

There are more publications referencing this product on: Product page

Images



Western Blotting

Image 1. IκBα mAb tested by Western blot. The anti-IκBα detects both phosphorylated and non-phosphorylated forms of IκBα by Western blot. Jurkat cells (\sim 1 x 107) were treated for indicated time periods with 10 nm/ml PMA, 1 μM ionomycin and anti-CD28 (1:10,000 dilution). 10 μl of cytoplasmic (C) and nuclear extract (N) were resolved on a 8.75% SDS-PAGE and transferred to Immobilon membrane. Figure is courtesy of Dr. Shao-Cong Sun at Penn State Univ. College of Medicine.