

Datasheet for ABIN6256201
anti-NFKBIB antibody (pSer23)

5 Images

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Overview

Quantity:	100 µL
Target:	NFKBIB
Binding Specificity:	pSer23
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human I kappaB- beta around the phosphorylation site of Ser23.
Isotype:	IgG
Specificity:	Phospho-IKB beta (Ser23) Antibody detects endogenous levels of IKB beta only when phosphorylated at Serine 23.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

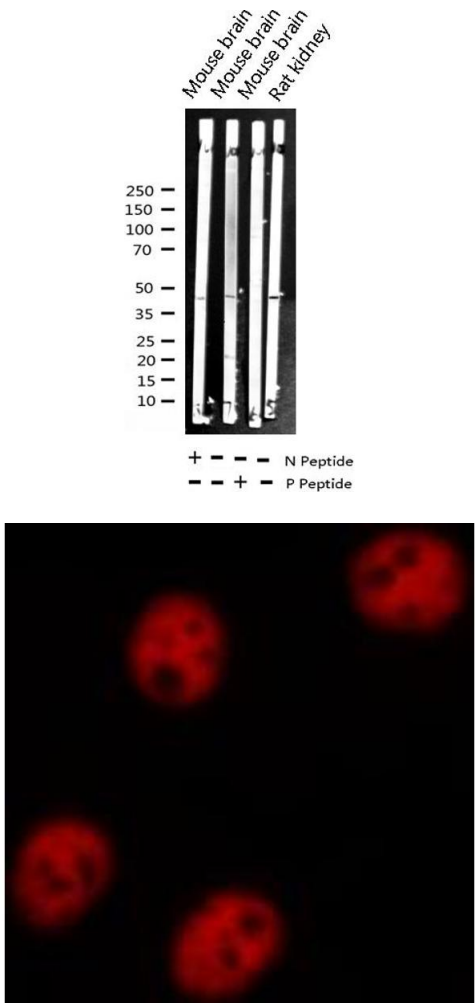
Target:	NFKBIB
Alternative Name:	NFKBIB (NFKBIB Products)
Background:	<p>Description: Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further NFKBIA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.</p> <p>Gene: NFKBIB</p>
Molecular Weight:	37kDa
Gene ID:	4793
UniProt:	Q15653
Pathways:	NF-kappaB Signaling , Activation of Innate immune Response , Maintenance of Protein Location , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , 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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

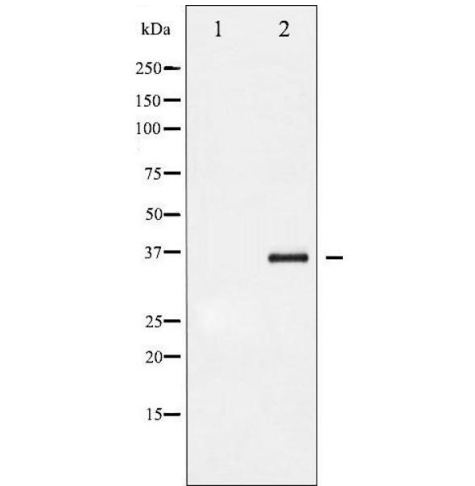


Western Blotting

Image 1. Western blot analysis of Phospho-I kappaB beta (Ser23) expression in various lysates

Immunofluorescence (fixed cells)

Image 2. ABIN6267656 staining HeLa cells treated with TNF-a 20nM 15' by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



Western Blotting

Image 3. Western blot analysis of I kappaB- beta phosphorylation expression in TNF-a treated HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6256201.