Datasheet for ABIN6280557

anti-NFKBIA antibody (pSer32, pSer36)

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Overview

Quantity:	50 µL
Target:	NFKBIA
Binding Specificity:	AA 10-90, pSer32, pSer36
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	IκB-α is a protein encoded by the NFKBIA gene which is approximately 35,6 kDa. IκB-α is localised to the cytoplasm and nucleus. It is involved in activated TLR4 signalling, 4-1BB pathway and toll-like receptor signalling pathways. It inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. IκB-α is expressed in adherent monocytes. Mutations in the NFKBIA gene may result in ectodermal dysplasia with T-cell immunodeficiency. STJ90311 is a synthesized peptide derived from human IκB-α around the phosphorylation site of S32/S36. This primary antibody specifically binds to endogenous IκB-α protein which only binds about S23/36 when S23/36 is phosphorylated.
Immunogen:	Synthesized peptide derived from human IkappaB-alpha around the phosphorylation site of S32/S36.

Product Details

Isotype:	IgG
Specificity:	Phospho-IκB-α (S32/S36) Polyclonal Antibody detects endogenous levels of IκB-α protein only when phosphorylated at S32/S36.
Characteristics:	Rabbit polyclonal to Phospho-IκB-α (S32/S36).
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	NFKBIA
Alternative Name:	IkappaB-alpha (NFKBIA Products)
Molecular Weight:	36 kDa
Gene ID:	4792
UniProt:	P25963
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:	WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide

Handling

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, and avoid repeat freeze-thaw cycles.