

Datasheet for ABIN6288301 **anti-NFKBIA antibody (pTyr305)**

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Overview

Quantity:	50 µL
Target:	NFKBIA
Binding Specificity:	AA 240-320, pTyr305
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFKBIA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, 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, the TNFR1 pathway, the 4-1BB pathway and toll-like receptor signalling pathways. This protein falls under the NF-kappa-B inhibitor family. Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals, this process is involved in inflammatory responses. IκB-α is induced in adherent monocytes. Mutations in the NFKBIA gene may result in ectodermal dysplasia with T-cell immunodeficiency. STJ90912 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous IκB-α protein which only binds about Y305 when Y305 is phosphorylated.
Immunogen:	Synthesized peptide derived from human IκappaB-alpha around the phosphorylation site of Y305.

Product Details

Isotype:	IgG
Specificity:	Phospho-IkB-α (Y305) Polyclonal Antibody detects endogenous levels of IkB-α protein only when phosphorylated at Y305.
Characteristics:	Rabbit polyclonal to Phospho-IkB-α (Y305).
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:	40 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 ELISA 1:5000
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
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.