

IKB b protein

Catalog No :	YD0053
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	NFKBIB
Protein Name :	IKB b protein
Sequence :	Amino acid: 274-389, with his-MBP tag.
Human Gene Id :	4793
Human Swiss Prot No :	Q15653
Mouse Swiss Prot No :	Q60778
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20 °C/6 month, -80 °C for long storage
Background :	function: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 IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.,PTM:Phosphorylated; followed by degradation. Interaction with NKIRAS1 and NKIRAS2 probably prevents phosphorylation.,similarity:Belongs to the NF-kappa-B inhibitor family.,similarity:Contains 6 ANK repeats.,subunit:Interacts with THRB (via ligand-binding domain). Interacts with RELA and REL. Interacts with COMMD1 and inhibitor kappa B-interacting Ras-

like NKIRAS1 and NKIRAS2.,tissue specificity:Expressed in all tissues examined.,

Function :

transcription, intracellular signaling cascade, protein kinase cascade, I-kappaB kinase/NF-kappaB cascade, cytoplasmic sequestering of NF-kappaB, protein localization, regulation of intracellular transport, negative regulation of intracellular transport, maintenance of protein location in cell, regulation of protein localization, regulation of intracellular protein transport, regulation of protein import into nucleus, negative regulation of protein import into nucleus, regulation of NF-kappaB import into nucleus, negative regulation of NF-kappaB import into nucleus, regulation of transcription factor import into nucleus, negative regulation of transcription factor import into nucleus, cytoplasmic sequestering of transcription factor, maintenance of protein location, regulation of nucleocytoplasmic transport,negative regulation of nucleocytoplasmic transport, negative regulation of transp

Subcellular Location :

Cytoplasm . Nucleus .

Expression :

Expressed in all tissues examined.

Products Images

