

## anti- IKBKB antibody

### Product Information

Catalog No.:	FNab04201
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Serine kinase that plays an essential role in the NF-kappa-B signaling pathway which is activated by multiple stimuli such as inflammatory cytokines, bacterial or viral products, DNA damages or other cellular stresses. Acts as part of the canonical IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B on 2 critical serine residues. These modifications allow polyubiquitination of the inhibitors and subsequent degradation by the proteasome. In turn, free NF-kappa-B is translocated into the nucleus and activates the transcription of hundreds of genes involved in immune response, growth control, or protection against apoptosis. In addition to the NF-kappa-B inhibitors, phosphorylates several other components of the signaling pathway including NEMO/IKBKG, NF-kappa-B subunits RELA and NFKB1, as well as IKK-related kinases TBK1 and IKBKE. IKK-related kinase phosphorylations may prevent the overproduction of inflammatory mediators since they exert a negative regulation on canonical IKKs. Phosphorylates FOXO3, mediating the TNF-dependent inactivation of this pro-apoptotic transcription factor. Also phosphorylates other substrates including NCOA3, BCL10 and IRS1. Within the nucleus, acts as an adapter protein for NFKBIA degradation in UV-induced NF-kappa-B activation.

### Immunogen information

Immunogen: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta

### Wuhan Fine Biotech Co., Ltd.

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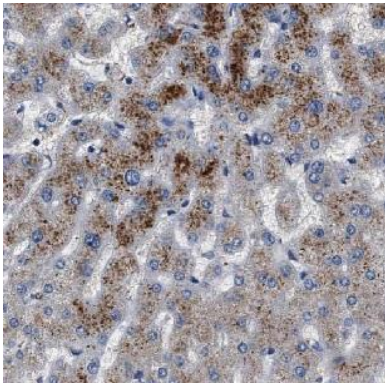
Tel : (0086)027-87384275

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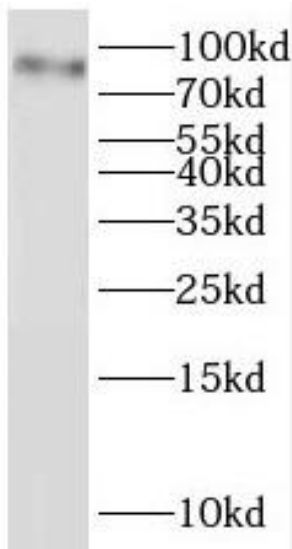
Synonyms: IKKB  
Observed MW: 87kd  
UniprotID : O14920

### Application

Reactivity: Human, Mouse  
Tested Application: ELISA, WB, IHC  
Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200  
Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab04201(IKKBK Antibody) at dilution of 1:200



K-562 cells were subjected to SDS PAGE followed by western blot with FNab04201(IKKBK antibody) at dilution of 1:300