

Product Name: KD-Validated IKBKB Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01425**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 86.6kDa

Antigen Information

Gene Name	IKBKB
Alternative Names	IKBKB; Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta; IKK-Beta; NFKB1KB; IKK2; IKKB; Inhibitor Of Kappa Light Polypeptide Gene Enhancer In B-Cells, Kinase Beta; Inhibitor Of Nuclear Factor Kappa-B Kinase Subunit Beta; Nuclear Factor NF-Kappa-B Inhibitor Kinase Beta; Serine/Threonine Protein Kinase IKBKB; I-Kappa-B-Kinase Beta; I-Kappa-B Kinase 2; EC 2.7.11.10; IKK-2; Nuclear Factor Kappa B Kinase Subunit Beta; EC 2.7.11.1; EC 2.7.11; IMD15A; IMD15B; IMD15; IKK-B; IkBKB
Gene ID	3551.0
SwissProt ID	O14920
Immunogen	A synthesized peptide derived from human IKK beta

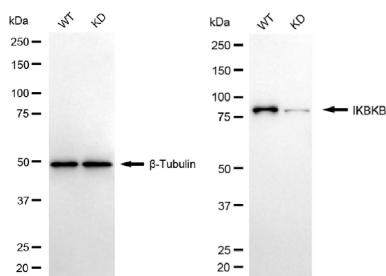
Background

The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Sep 2011]

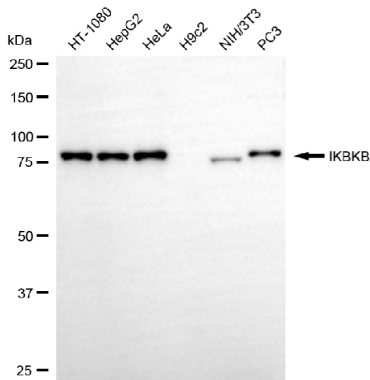
Research Area

Cell Biology,Signal Transduction,Cardiovascular,Immunology,Cancer

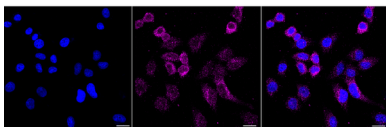
Image Data



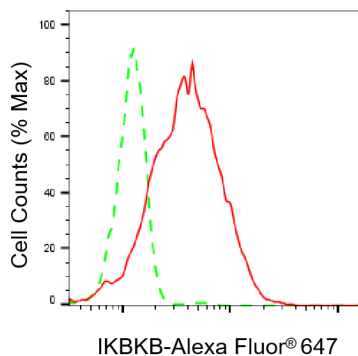
Western blotting analysis using IKBKB antibody (KVA01425). IKBKB expression in wild type (WT) and IKBKB knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with IKBKB antibody (KVA01425, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using IKBKB antibody (KVA01425). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IKBKB antibody (KVA01425, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with IKBK antibody (KVA01425, 1:1,000). Nuclei were stained blue with DAPI; IKBK was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of IKBKB expression in HepG2 cells using IKBKB antibody (KVA01425, 1:2,000). Green, isotype control; red, IKBKB.