

Anti-IKBKB Polyclonal Antibody

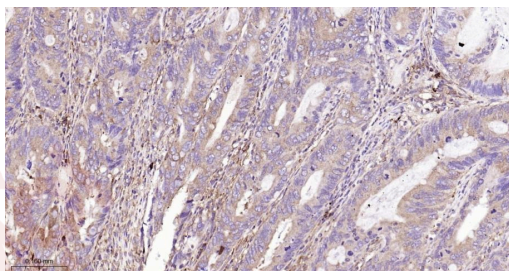
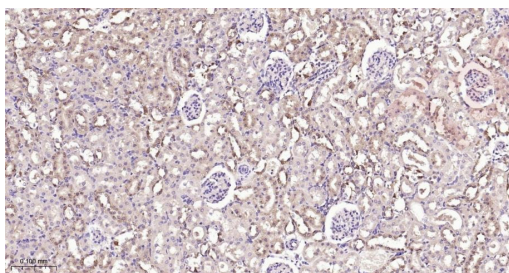
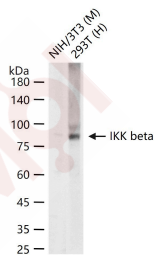
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 87 kDa. Actual: 85 kDa.
Purification:	Protein A purified

Applications

1. 25 µg total protein per Lane of various lysates probed with IKK beta polyclonal antibody, unconjugated (TMAB-00930) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IKK beta Polyclonal Antibody, Unconjugated (TMAB-00930) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with IKK beta Polyclonal Antibody, Unconjugated (TMAB-00930) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

Verified Activity:



Application:	ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human IKK beta

Antigen Species: Human

Gene ID: 3551

Uniprot ID: O14920

Synonyms: IKKB;IkbKB;I-kappa-B-kinase beta;Nuclear factor NF-kappa-B inhibitor kinase beta (NFKB1KB); IKK-beta;IKK-B;I-kappa-B kinase 2 (IKK-2;IKK2);Inhibitor of nuclear factor kappa-B kinase subunit beta;Serine/threonine protein kinase IKBKB

Biology Area: IKK,Inflammatory mediators,IKK,TLR Signaling,Other Kinases,NFkB Pathway

Research Background

IKK beta (I-Kappa-B kinase-beta) is a member of the IKK complex which is composed of IKK alpha, IKK beta, IKK gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquitination. IKK beta has been shown to activate NF-kB and phosphorylate IKB alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK beta is essential for activation of IKK by TNF and IL1. Once activated, IKK beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK beta activity can also be regulated by MEKK1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481