

Anti-IKB beta Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

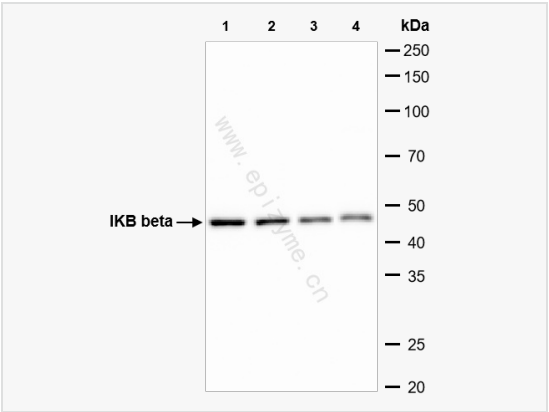
Catalog # R012791

Product Information

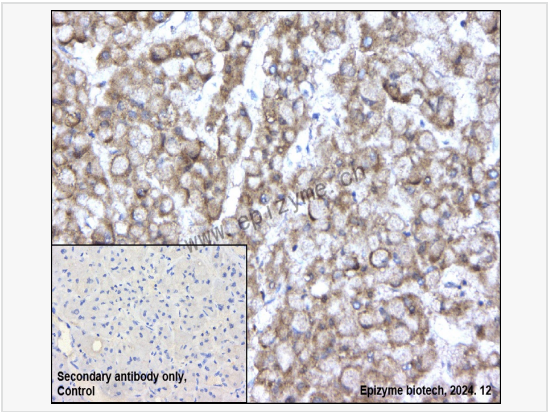
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	54L41M87
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IKB beta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IKB beta Rabbit mAb [54L41M87] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

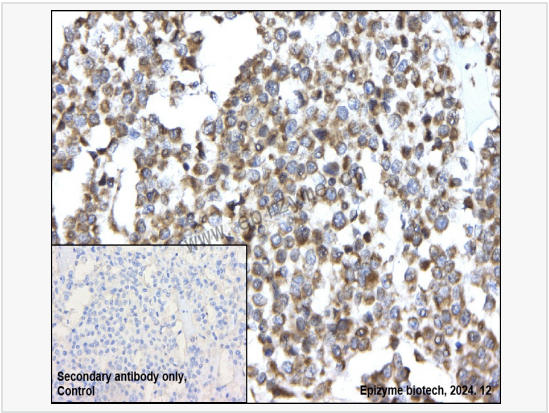
Synonyms	I kappa B beta, I-kappa-B-beta, IkappaBbeta, IKB beta, Ikb-B, Ikb-beta, IKBB, IKBB_HUMAN, Ikbbeta, NF kappa BIB, NF-kappa-B inhibitor beta, NF-kappa-BIB, Nfkbib, Thyroid receptor interacting protein 9, Thyroid receptor-interacting protein 9, TR interacting protein 9, TR-interacting protein 9, TRIP-9, TRIP9.
Calculated MW	Calculated MW: 48 kDa; Observed MW: 48 kDa
Uniprot ID	Q15653
Gene ID	4793
Background	The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jul 2011]
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expressed in all tissues examined.



Western Blot - Anti- $\text{IKB}\beta$ Rabbit mAb [54L41M87]
All lanes: R012791 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 μg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 48 kDa
Observed band size: 48 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti- $\text{IKB}\beta$ Rabbit mAb [54L41M87]
Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012791 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti- $\text{IKB}\beta$ Rabbit mAb [54L41M87]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R012791 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.