

Rabbit IκB epsilon Polyclonal Antibody | anti-IκB epsilon antibody

IκB epsilon antibody (Ser22)

CATALOG # AAA108333	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot
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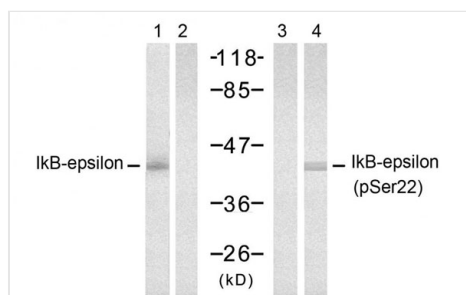
PRODUCT SYNONYMS

IκB epsilon; Polyclonal Antibody; IκB epsilon antibody (Ser22); Polyclonal IκB epsilon; Anti-IκB epsilon; I-kappa-B-epsilon; IkappaBepsilon; IκB-E; IκB-epsilon; IKBE; NF-kappa-B inhibitor epsilon; NF-kappa-BIE; NFKBIE; nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor epsilon; anti-IκB epsilon antibody

PRODUCT SPECIFICATIONS

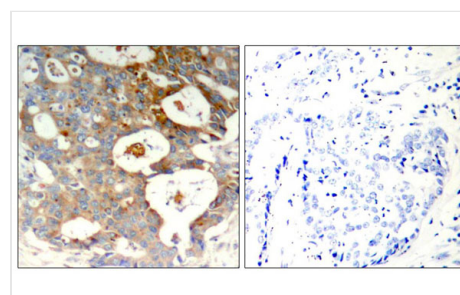
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	IκB epsilon antibody (Ser22) detects endogenous levels of IκB epsilon only when phosphorylated at serine 22
Purity/Purification	IκB epsilon antibody was purified by affinity chromatography
Form/Format	Supplied in PBS buffer (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	364
Applicable Applications for anti-IκB epsilon antibody	IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	The transcription factor NFκappaB is retained in the cytoplasm in an inactive form by the inhibitory protein IkappaB. Activation of NFκappaB requires that IkappaB be phosphorylated on specific serine residues, which results in targeted degradation of IkappaB. IkappaB kinase alpha (IKKalpha), previously designated CHUK, interacts with IkappaB-alpha and specifically phosphorylates IkappaB-alpha on the sites that trigger its degradation, Serines 32 and 36.
Cross-Reactivity	Mouse
Immunogen	IκB epsilon antibody was raised in Rabbit using a synthesized phosphopeptide derived from human IκB epsilon around the phosphorylation site of serine 22 (I-E-SP-L-R) as the immunogen.
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles

IMAGES



WB (Western Blot)

Western blot analysis of extract from 293 cells, untreated or treated with TNF-alpha (20ng/ml, 15min), using IκB-u antibody and IκB epsilon antibody (Ser22) (Lanes 3 and 4)



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB epsilon antibody (Ser22)

ADDITIONAL INFORMATION

Related Product Information for anti-IkB epsilon antibody	Rabbit Polyclonal IkB epsilon antibody (Ser22)
Product Categories/Family for anti-IkB epsilon antibody	DNA & RNA ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	2739158
NCBI GeneID	18037
Molecular Weight	39,200 Da
NCBI Official Full Name	IkB epsilon
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, epsilon
NCBI Official Symbol	Nfkbie
NCBI Official Synonym Symbols	IKBE; IkB-E; ikB-epsilon; NF-kappa-BIE; I-kappa-B-epsilon
NCBI Protein Information	NF-kappa-B inhibitor epsilon
UniProt Protein Name	NF-kappa-B inhibitor epsilon
UniProt Gene Name	Nfkbie
UniProt Synonym Gene Names	Ikbe; NF-kappa-BIE; IkB-E; IkB-epsilon; IkappaBepsilon
UniProt Entry Name	IKBE_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ikb-epsilon-antibody-immunohistochemistry-western-blot-elisa/108333>