

Rabbit I kappaB epsilon Polyclonal Antibody | anti-NFKBIE antibody

Phospho-I kappaB epsilon (Ser22) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30943	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

I kappaB epsilon; Polyclonal Antibody; Phospho-I kappaB epsilon (Ser22) Antibody; I kappa B epsilon; I-kappa-B-epsilon; IkappaBepsilon; IkB E; IkB-E; IkB-epsilon; IKBE; IKBE_HUMAN; MGC72568; NF kappa B inhibitor epsilon; NF kappa BIE; NF-kappa-B inhibitor epsilon; NF-kappa-BIE; NFkappa BIE; NFkappaB inhibitor epsilon; NFKBIE; Nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor epsilon; OTTHUMP00000016522; Slc35b2; solute carrier family 35; member B2; anti-NFKBIE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-I kappaB-epsilon (Ser22) antibody detects endogenous levels of I kappaB-epsilon only when phosphorylated at Serine 22
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	500
Applicable Applications for anti-NFKBIE antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:1000 IF/ICC: 1:100-1:500
Immunogen	A synthesized peptide derived from human I kappaB-epsilon around the phosphorylation site of Serine 22
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser22
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA30943 at 1/100 staining rat testicular tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



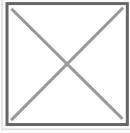
IHC (Immunohistochemistry)
AAA30943 at 1/100 staining rat ovarian tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



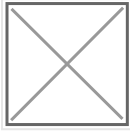
IHC (Immunohistochemistry)
AAA30943 at 1/100 staining mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)
AAA30943 at 1/100 staining mouse spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)
AAA30943 at 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)
AAA30943 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NFKBIE antibody	<p>Description: kB-epsilon Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes. Interacts with RELA, REL, NFKB1 nuclear factor NF-kappa-B p50 subunit and NFKB2 nuclear factor NF-kappa-B p52 subunit.</p> <p>Function: Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes.</p> <p>Subunit Structure: Interacts with RELA, REL, NFKB1 nuclear factor NF-kappa-B p50 subunit and NFKB2 nuclear factor NF-kappa-B p52 subunit.</p> <p>Post-translational Modifications: Serine phosphorylated; followed by proteasome-dependent degradation.</p> <p>Similarity: Belongs to the NF-kappa-B inhibitor family.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71274109
NCBI GeneID	4794
NCBI Accession #	NP_004547.2
NCBI GenBank Nucleotide #	NM_004556.2
UniProt Accession #	O00221; Q5T9V9
Molecular Weight	Observed: 38 kDa Predicted: 53 kDa
NCBI Official Full Name	NF-kappa-B inhibitor epsilon
NCBI Official Synonym Full Names	NFKB inhibitor epsilon
NCBI Official Symbol	NFKBIE

NCBI Official Synonym Symbols	IKBE
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/i-kappab-epsilon-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30943>