

**Anti-IKB epsilon Antibody**  
**Rabbit polyclonal antibody to IKB epsilon**  
**Catalog # AP60492****Specification**

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**Anti-IKB epsilon Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">O00221</a>
Other Accession	<a href="#">O54910</a>
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52864

**Anti-IKB epsilon Antibody - Additional Information****Gene ID** 4794**Other Names**IKBE; NF-kappa-B inhibitor epsilon; NF-kappa-BIE; I-kappa-B-epsilon; Ikb-E; Ikb-epsilon;  
IkappaBepsilon**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IKB epsilon. The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-IKB epsilon Antibody - Protein Information****Name** NFKBIE**Synonyms** IKBE**Function**

Sequesters NF-kappa-B transcription factor complexes in the cytoplasm, thereby inhibiting their activity (PubMed:&lt;a href="http://www.uniprot.org/citations/9315679" target="\_blank"&gt;9315679&lt;/a&gt;). Sequestered complexes include NFKB1-RELA (p50-p65) and

NFKB1-REL (p50- c-Rel) complexes (PubMed:<a href="http://www.uniprot.org/citations/9135156" target="\_blank">9135156</a>, PubMed:<a href="http://www.uniprot.org/citations/9315679" target="\_blank">9315679</a>). Limits B-cell activation in response to pathogens, and also plays an important role in B-cell development (By similarity).

#### **Cellular Location**

Cytoplasm.

#### **Tissue Location**

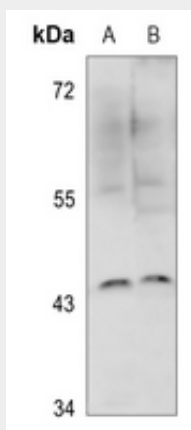
Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages

### **Anti-IKB epsilon Antibody - Protocols**

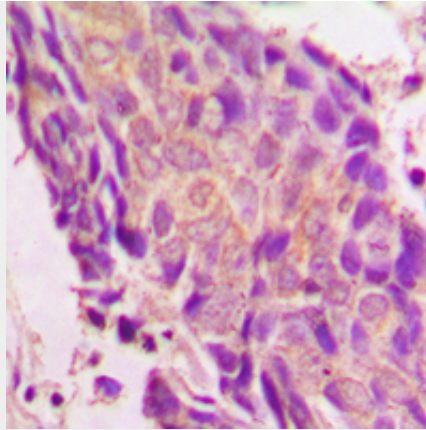
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

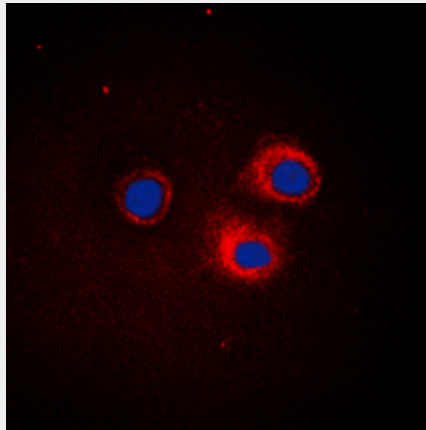
### **Anti-IKB epsilon Antibody - Images**



Western blot analysis of IKB epsilon expression in A549 (A), H1792 (B) whole cell lysates.



Immunohistochemical analysis of IKB epsilon staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of IKB epsilon staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### **Anti-IKB epsilon Antibody - Background**

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