

## IκB-ε (Phospho Ser22) Rabbit pAb

CatalogNo: YP0858 Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 38kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC 1:100-1:300****IF 1:200-1:1000****ELISA 1:40000****Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human IκB-ε around the phosphorylation site of Ser22. AA range:131-180

## Specificity

Phospho-I $\kappa$ B- $\epsilon$  (S22) Polyclonal Antibody detects endogenous levels of I $\kappa$ B- $\epsilon$  protein only when phosphorylated at S22. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): IESLR

## Target Information

**Gene name** NFKBIE;IKBE

**Protein Name** NF-kappa-B inhibitor epsilon

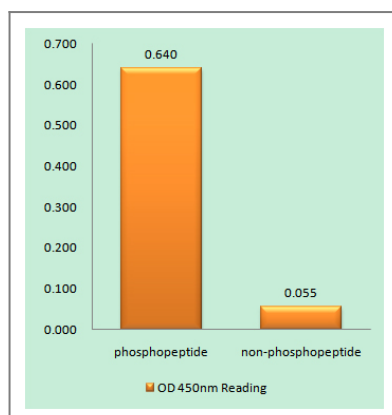
| Organism | Gene ID                | UniProt ID              |
|----------|------------------------|-------------------------|
| Human    | <a href="#">4794;</a>  | <a href="#">O00221;</a> |
| Mouse    | <a href="#">18037;</a> | <a href="#">O54910;</a> |

**Cellular Localization** Cytoplasm .

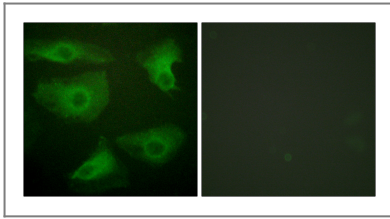
**Tissue specificity** Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages.

**Function** 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., PTM: Serine phosphorylated; followed by proteasome-dependent degradation., similarity: Belongs to the NF-kappa-B inhibitor family., similarity: Contains 6 ANK repeats., subunit: Interacts with RELA, REL, NFKB1 nuclear factor NF-kappa-B p50 subunit and NFKB2 nuclear factor NF-kappa-B p52 subunit., tissue specificity: Highly expressed in spleen, testis and lung, followed by kidney, pancreas, heart, placenta and brain. Also expressed in granulocytes and macrophages.,

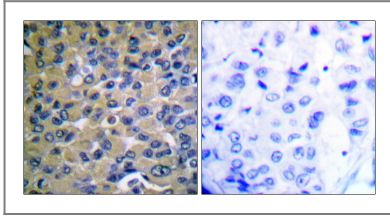
## Validation Data



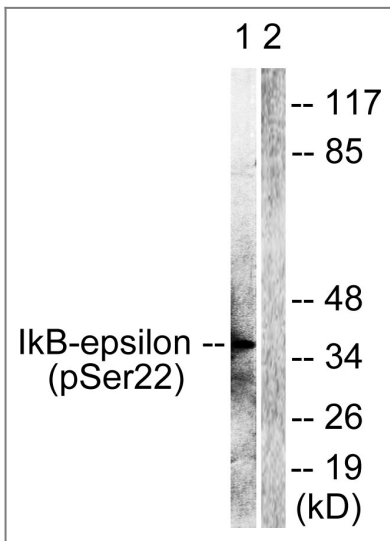
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using I $\kappa$ B- $\epsilon$  (Phospho-Ser22) Antibody



Immunofluorescence analysis of HeLa cells, using IkappaB-epsilon (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using IkappaB-epsilon (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with TNF- $\alpha$  20ng/ml 30', using IkappaB-epsilon (Phospho-Ser22) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**IkB- $\epsilon$  (Phospho Ser22) Rabbit pAb**

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