

## Product datasheet for **TA322729**

### **IKB epsilon (NFKBIE) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: PC3 cells IHC: 25-100 Positive control: Human lymphoma Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 63-423 amino acids of human nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	NFKB inhibitor epsilon
Database Link:	<a href="#">NP_004547</a> <a href="#">Entrez Gene 18037 Mouse</a> <a href="#">Entrez Gene 4794 Human</a> <a href="#">O00221</a>



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**Background:**

The protein encoded by this gene binds to components of NF-kappa-B; trapping the complex in the cytoplasm and preventing it from activating genes in the nucleus. Phosphorylation of the encoded protein targets it for destruction by the ubiquitin pathway; which activates NF-kappa-B by making it available to translocate to the nucleus. NFKBIE protein expression is up-regulated following NF- $\kappa$ B activation and during myelopoiesis. NFKBIE is able to inhibit NF- $\kappa$ B-directed transactivation via cytoplasmic retention of REL proteins. NFKB1 or NFKB2 is bound to REL; RELA; or RELB to form the NF- $\kappa$ B transcription factor complex. The NF- $\kappa$ B complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB); which inactivate NF-kappa-B by trapping it in the cytoplasm.

**Synonyms:**

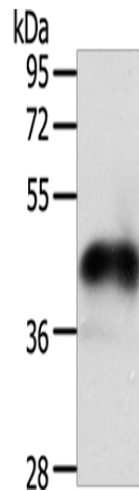
IKBE

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Adipocytokine signaling pathway, B cell receptor signaling pathway, Neurotrophin signaling pathway, T cell receptor signaling pathway

**Product images:**

Gel: 12%SDS-PAGE

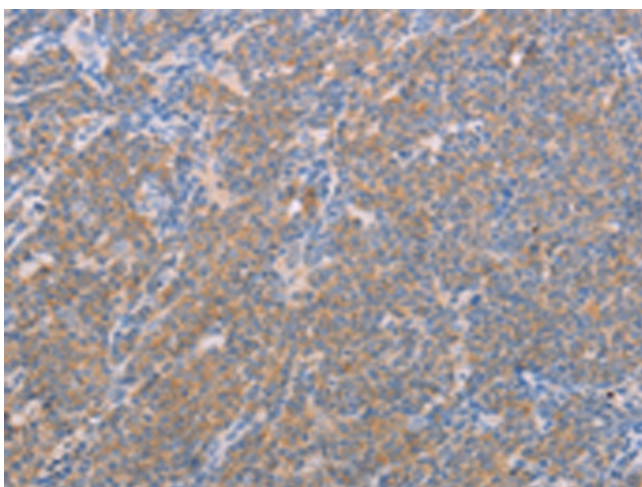
Lysate: 40  $\mu$ g

Lane: PC3 cells

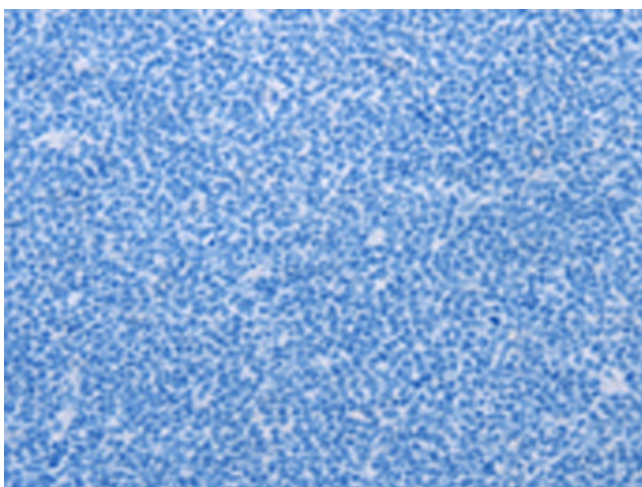
Primary antibody: TA322729 (NFKBIE Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

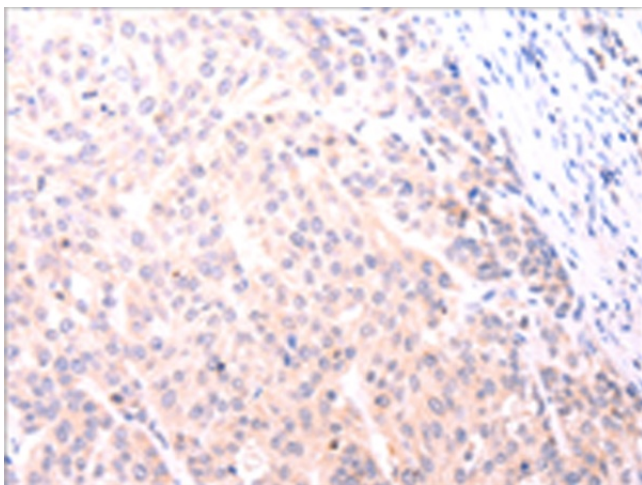
Exposure time: 30 minutes



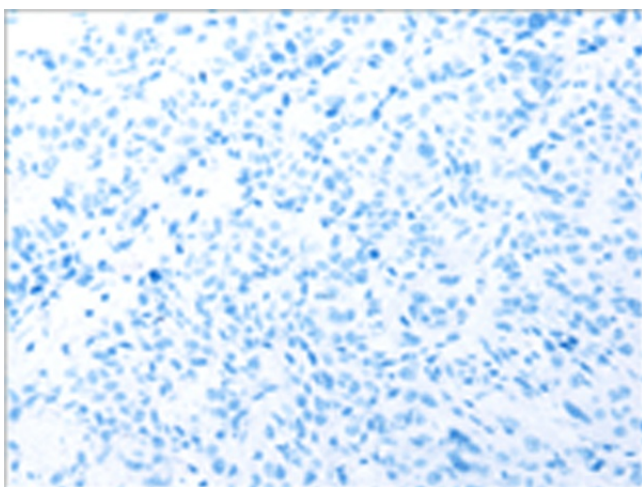
Immunohistochemistry of paraffin-embedded Human lymphoma tissue using TA322729 (NFKBIE Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human lymphoma tissue using TA322729 (NFKBIE Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA322729 (NFKBIE Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA322729 (NFKBIE Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )