

Product datasheet for **TA322729S**

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 ₃ , 50% glycerol |
| 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: | NP_004547 Entrez Gene 18037 Mouse Entrez Gene 4794 Human O00221 |



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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- κ B activation and during myelopoiesis. NFKBIE is able to inhibit NF- κ B-directed transactivation via cytoplasmic retention of REL proteins. NFKB1 or NFKB2 is bound to REL; RELA; or RELB to form the NF- κ B transcription factor complex. The NF- κ B complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB); which inactivate NF-kappa-B by trapping it in the cytoplasm.

Synonyms:

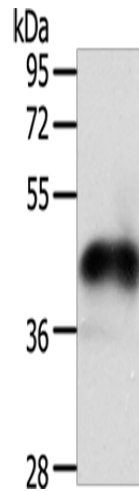
IKBE

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:

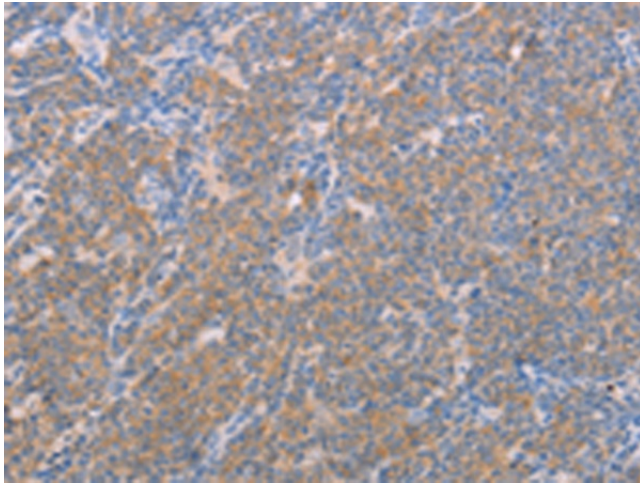
Gel: 12%SDS-PAGE

Lysate: 40 μ g

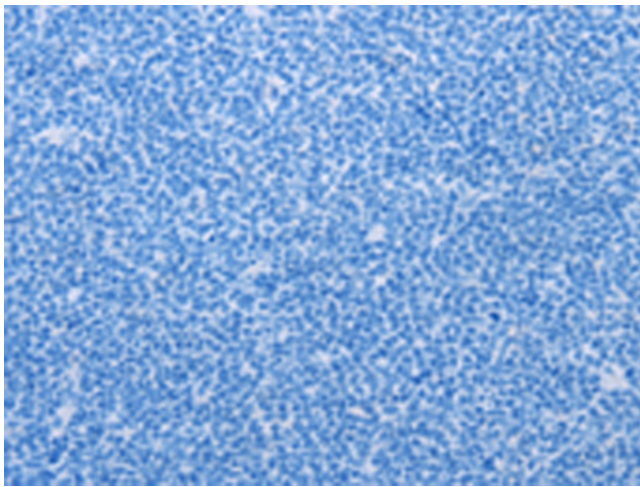
Lane: PC3 cells

Primary antibody: [TA322729] (NFKBIE Antibody)
at dilution 1/250Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution

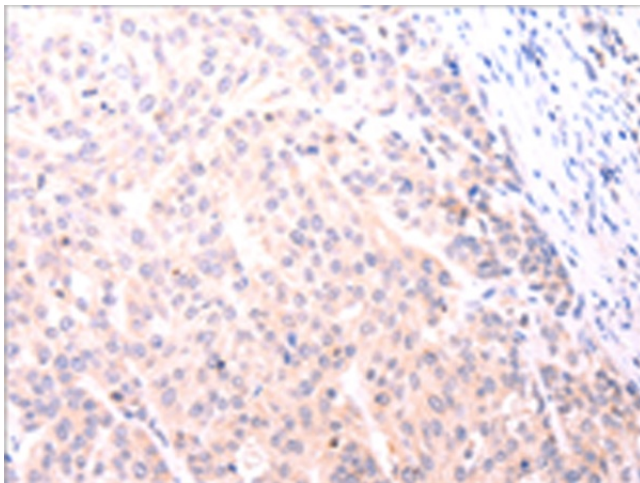
Exposure time: 30 minutes



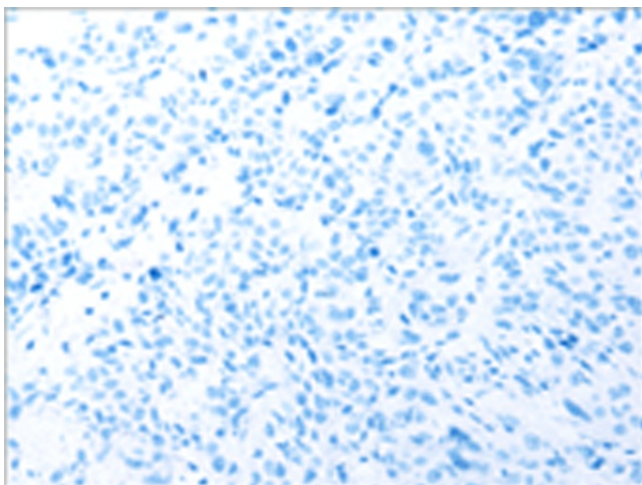
Immunohistochemistry of paraffin-embedded Human lymphoma tissue using [TA322729] (NFKBIE Antibody) at dilution 1/25 (Original magnification: ×200)



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



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



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