



Rabbit Anti-IKBKE/IKKi/IKKe antibody

SL4114R

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| Product Name: | IKBKE/IKKi/IKKe |
| Chinese Name: | 核因子κB抑制蛋白E抗体 |
| Alias: | IKKi/IKKe; I kappa B kinase epsilon; IkbKE; IKBKE protein; IKK E; IKK i; IKK-i; IKK related kinase epsilon; IKKE; IKK-E; IKKepsilon; IKKI; Inducible I kappa B kinase; inducible IkappaB kinase; Inhibitor of kappa light polypeptide gene enhancer in B cells kinase epsilon; Inhibitor of nuclear factor kappa B kinase subunit epsilon; KIAA0151; MGC125294; MGC125295; MGC125297; IKKE_HUMAN; I-kappa-B kinase epsilon; IKK-epsilon; Inducible I kappa-B kinase. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Cow, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 79kDa |
| Cellular localization: | The nucleuscytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human IKBKE (534-583):501-600/716 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | IKBKE is a noncanonical I-kappa-B (see MIM 164008) kinase (IKK) that is essential for regulating antiviral signaling pathways. IKBKE has also been identified as a breast |

cancer (MIM 114480) oncogene and is amplified and overexpressed in over 30% of breast carcinomas and breast cancer cell lines (Hutti et al., 2009 [PubMed 19481526]).[supplied by OMIM, Oct 2009].

Function:

Phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. May play a special role in the immune response. Protects cells against DNA damage-induced cell death.

Subunit:

May interact with MAVS/IPS1. Interacts with AZI2. Interacts with SIKE1. Interacts with TICAM1/TRIF, IRF3 and DDX58/RIG-I, interactions are disrupted by the interaction between IKBKE and SIKE1. Interacts with TOPORS; induced by DNA damage. Interacts with CYLD.

Subcellular Location:

Cytoplasm. Nucleus. Nucleus, PML body.

Tissue Specificity:

Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.

Post-translational modifications:

Autophosphorylated and phosphorylated by IKBKB/IKKB.

Sumoylation by TOPORS upon DNA damage is required for protection of cells against DNA damage-induced cell death. Desumoylated by SENP1.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.

Contains 1 protein kinase domain.

SWISS:

Q14164

Gene ID:

9641

Database links:

[Entrez Gene: 9641](#) Human

[Omim: 605048](#) Human

[SwissProt: Q14164](#) Human

[Unigene: 321045](#) Human

Important Note:

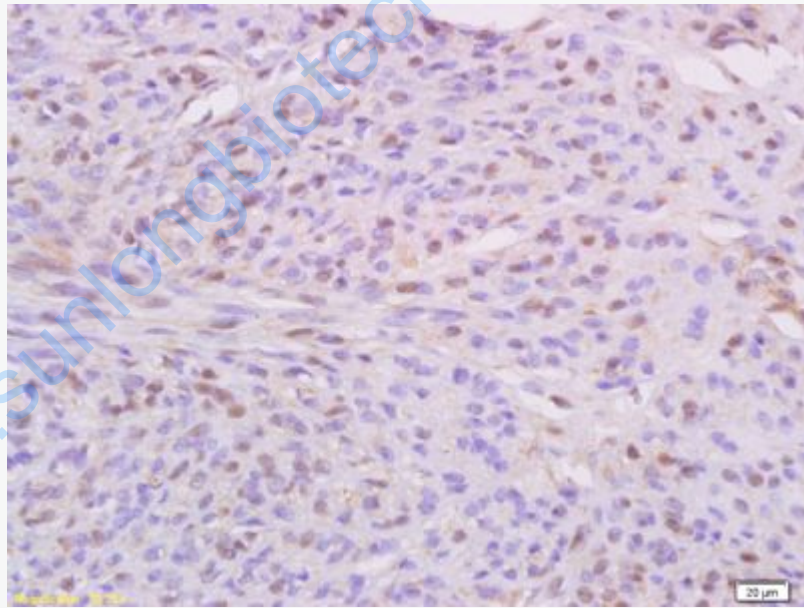
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I kappa B kinase

epsilon(IKKe)也是丝氨酸/苏氨酸蛋白激酶家族.可以磷酸化I κ B, 从而激活NF- κ B通路, 促进NF- κ B核移位,并最终降解NF- κ B的抑制剂.

IKKe可表达在很多组织细胞中;胸腺、胰腺、脾、胎盘、外周血白细胞, 也可少量表达在肺、肾、前列腺癌、卵巢、结肠。但最多表达在乳腺Tumour上, IKBKE在人类乳腺癌中明显高表达, 这种新的乳腺癌易感基因在Tumour的形成和发展中起着及其关键的作用。IKBKE蛋白不同于乳腺癌易感基因BRCA1和BRCA2, 是先天具有的。带有这些遗传变异的这些基因的女性会增加早发乳腺癌的风险。

Picture:



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti- IKBKE/IKKi Polyclonal Antibody, Unconjugated(SL4114R)
1:200, overnight at 4°C , followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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