



Rabbit Anti-phospho-IKKi (Thr501) antibody

SL7601R

Product Name:	phospho-IKKi (Thr501)
Chinese Name:	磷酸化核因子NFκB抑制蛋白激酶i抗体
Alias:	IKKi/IKKe (phospho T501); IKKi/IKKe (phospho Thr501); p-IKKE (Thr501); p-IKKE (T501); 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,Cow,Rabbit,
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:	80kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human IKKi/IKKe around the phosphorylation site of Thr501:LR(p-T)LA
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:	<p>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].</p> <p>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.</p> <p>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.</p> <p>Subcellular Location: Cytoplasm. Nucleus. Nucleus, PML body. Note=Targeting to PML nuclear bodies upon DNA damage is TOPORS-dependent.</p> <p>Tissue Specificity: Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.</p> <p>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.</p> <p>Similarity: Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily. Contains 1 protein kinase domain.</p> <p>SWISS: Q14164</p> <p>Gene ID: 9641</p> <p>Database links: Entrez Gene: 9641 Human</p>

[Oimim: 605048](#)Human

[SwissProt: Q14164](#)Human

[Unigene: 321045](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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