



Rabbit Anti-phospho-IKKi (Ser172) antibody

SL8583R

Product Name:	phospho-IKKi (Ser172)
Chinese Name:	磷酸化核因子NFκB抑制蛋白激酶i抗体
Alias:	IKKi/IKKe (phospho Ser172); p-IKKi(Ser172); p-IKKe(Ser172); 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,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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 Ser172:FV(p-S)VY
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](#)

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. Targeting to PML nuclear bodies upon DNA damage is TOPORS-dependent.

Product Detail:**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

[Olim: 605048](#)Human

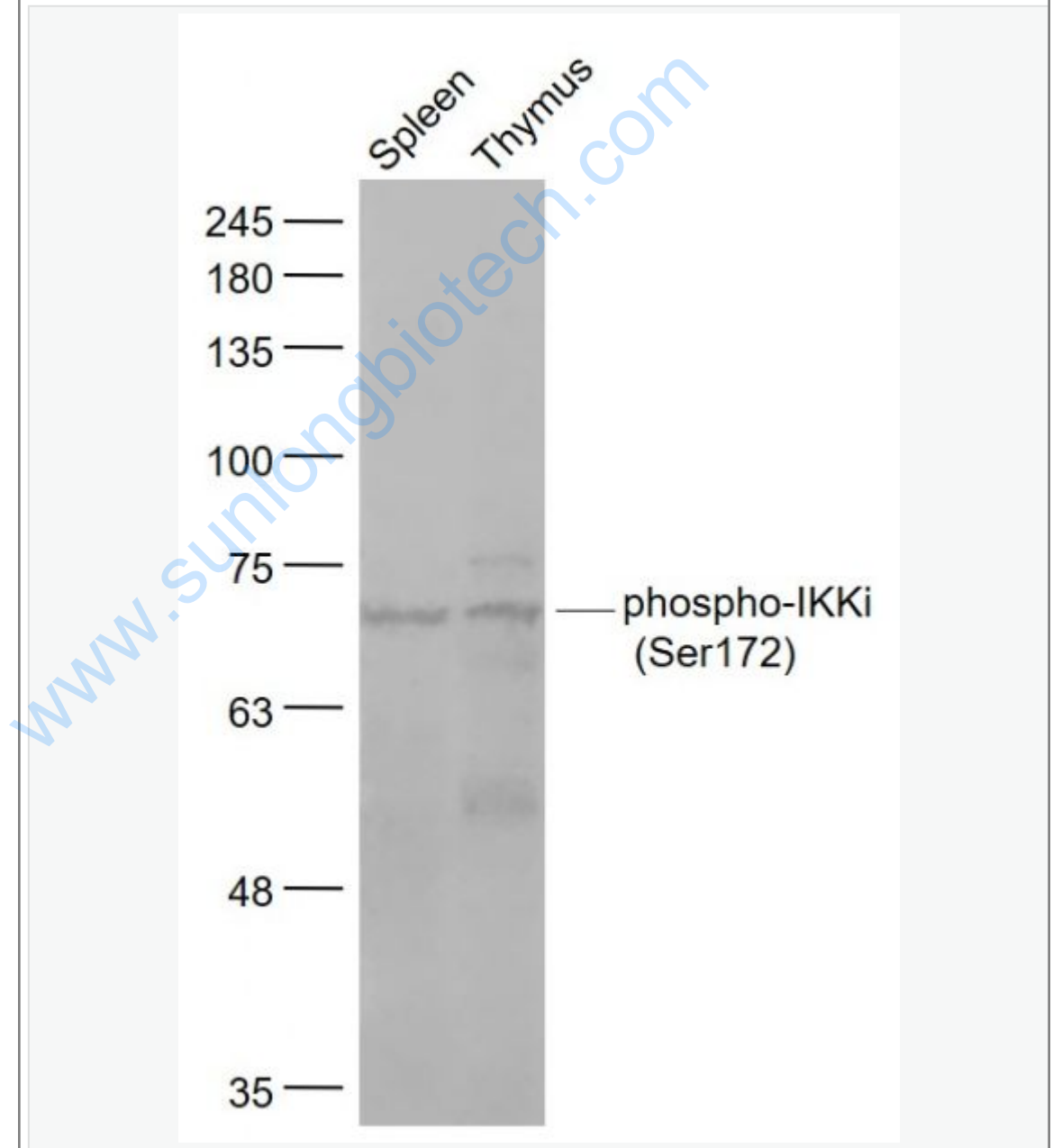
[SwissProt: Q14164](#)Human

[Unigene: 321045](#)Human

Important Note:

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

Picture:



Sample:

Spleen (Mouse) Lysate at 40 ug

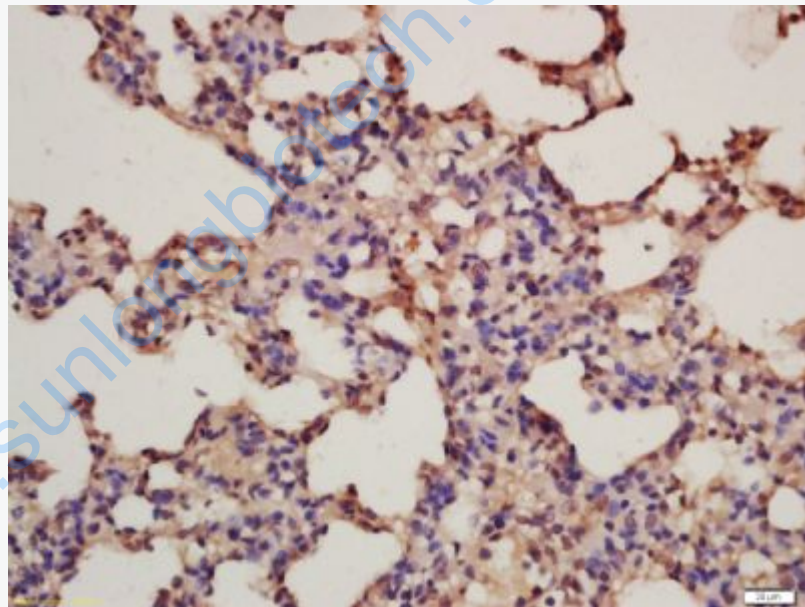
Thymus (Mouse) Lysate at 40 ug

Primary: Anti- phospho-IKKi (Ser172) (SL8583R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 80 kD

Observed band size: 71 kD



Tissue/cell: rat lung tissue; 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-phospho-IKKi(Ser172) Polyclonal Antibody,

Unconjugated(SL8583R) 1:200, overnight at 4°C, followed by conjugation to the

	secondary antibody(SP-0023) and DAB(C-0010) staining
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