

IKKε (Phospho Ser172) rabbit pAb

Catalog No :	YP1362
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	IKKε
Fields :	>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>Cytosolic DNA-sensing pathway;>>C-type lectin receptor signaling pathway;>>IL-17 signaling pathway;>>Alcoholic liver disease;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Influenza A;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19;>>Chemical carcinogenesis - receptor activation;>>Lipid and atherosclerosis
Gene Name :	IKBKE IKKE IKKI KIAA0151
Protein Name :	IKKε (Ser172)
Human Gene Id :	9641
Human Swiss Prot No :	Q14164
Mouse Gene Id :	56489
Mouse Swiss Prot No :	Q9R0T8
Immunogen :	Synthesized phosho peptide around human IKKε (Ser172)
Specificity :	This antibody detects endogenous levels of Human IKKε (phospho-Ser172)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
	WB 1:1000-2000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	80kD
Cell Pathway :	Toll_Like;RIG-I-like receptor;Cytosolic DNA-sensing pathway;
Background :	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 :	catalytic activity:ATP + [I-kappa-B protein] = ADP + [I-kappa-B phosphoprotein].,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.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:May interact with MAVS/IPS1. Interacts with AZI2. Interacts with SIKE. Interacts with TICAM1/TRIF, IRF3 and DDX58/RIG-I, interactions are disrupted by the interaction between IKBKE and SIKE.,tissue specificity:Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.,
Subcellular Location :	Cytoplasm . Nucleus. Nucleus, PML body . Targeting to PML nuclear bodies upon DNA damage is TOPORS-dependent (PubMed:20188669). Located diffusely throughout the cytoplasm but locates to punctate cytoplasmic bodies when coexpressed with TRIM6 (PubMed:24882218). .
Expression :	Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.
Sort :	8412
Host :	Rabbit
Modifications :	Phospho

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