

## IKK $\epsilon$ Monoclonal Antibody

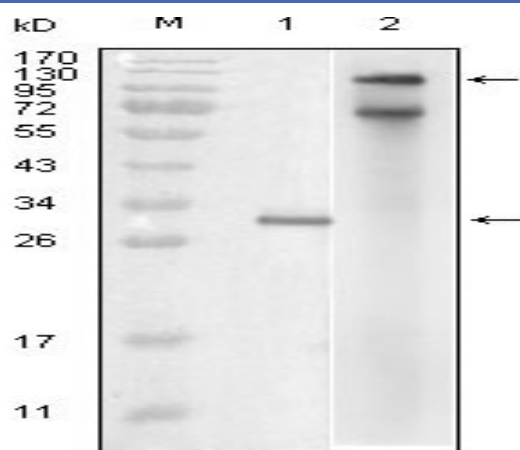
<b>Catalog No :</b>	YM0364
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	IKK $\epsilon$
<b>Fields :</b>	>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>Cytosolic DNA-sensing pathway;>>C-type lectin receptor 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
<b>Gene Name :</b>	IKBKE
<b>Protein Name :</b>	Inhibitor of nuclear factor kappa-B kinase subunit epsilon
<b>Human Gene Id :</b>	9641
<b>Human Swiss Prot No :</b>	Q14164
<b>Mouse Swiss Prot No :</b>	Q9R0T8
<b>Immunogen :</b>	Purified recombinant fragment of IKK $\epsilon$ (aa1-257) expressed in E. Coli.
<b>Specificity :</b>	IKK $\epsilon$ Monoclonal Antibody detects endogenous levels of IKK $\epsilon$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.  Affinity purification

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<b>Storage Stability :</b>	-15°C to -25°C/1 year (Do not lower than -25°C)
<b>Molecular weight :</b>	80kD
<b>Cell Pathway :</b>	Toll_Like;RIG-I-like receptor;Cytosolic DNA-sensing pathway;
<b>P References :</b>	<ol style="list-style-type: none"><li>1. Cell. 2007 Jun 15;129(6):1065-79.</li><li>2. Mol Syst Biol. 2007;3:89. Epub 2007 Mar 13.</li><li>3. Arthritis Rheum. 2007 Mar;56(3):743-52.</li></ol>
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	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). .
<b>Expression :</b>	Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.
<b>Sort :</b>	8413
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

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## Products Images



Western Blot analysis using IKK $\epsilon$  Monoclonal Antibody against truncated IKK $\epsilon$  recombinant protein (1) and full-length IKK $\epsilon$ (aa1-716)-hIgGfc transfected COS7 cell lysate (2).