



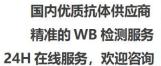
## IKKε (phospho-Ser172) mouse mAb

Catalog No	BYmab-14594
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	IKBKE IKKE IKKI KIAA0151
Protein Name	IKK ε (Ser172)
Immunogen	Synthesized phosho peptide around human IKK $\epsilon$ (Ser172)
Specificity	This antibody detects endogenous levels of $\frac{1}{2}$ Human IKK $\epsilon$ (phospho-Ser172)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Inhibitor of nuclear factor kappa-B kinase subunit epsilon (I-kappa-B kinase epsilon) (IKK-E) (IKK-epsilon) (IkBKE) (EC 2.7.11.10) (Inducible I kappa-B kinase) (IKK-i)
Observed Band	80kD
Cell Pathway	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).
Tissue Specificity	Highly expressed in spleen followed by thymus, peripheral blood leukocytes, pancreas, placenta. Weakly expressed in lung, kidney, prostate, ovary and colon.
Function	catalytic activity:ATP + [I-kappa-B protein] = ADP + [I-kappa-B phosphoprotein].,function:Phosphorylates inhibitors of NF-kappa-B thus leading

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	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

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