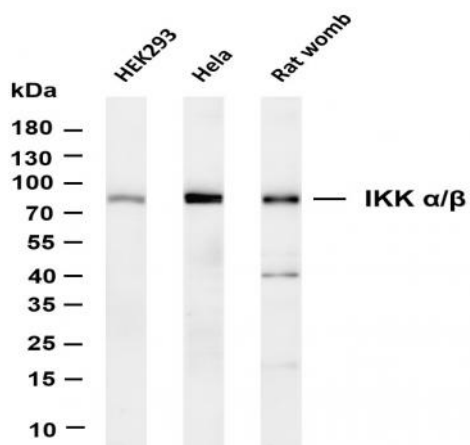


IKK α/β (PT0435R) PT[®] Rabbit mAb

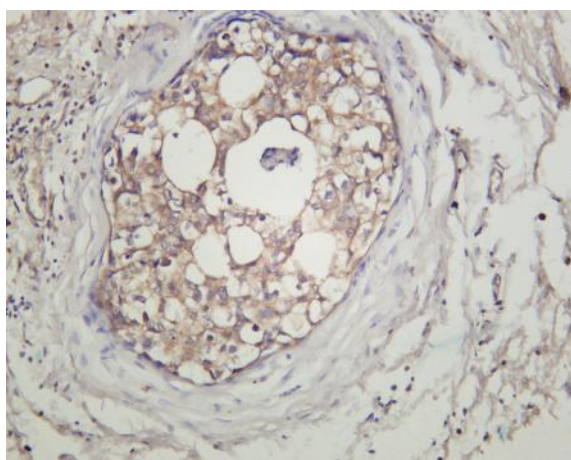
Catalog No :	YM8275
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	IKK α/β
Fields :	>>Antifolate resistance;>>MAPK signaling pathway;>>Ras signaling pathway;>>Chemokine signaling pathway;>>NF-kappa B signaling pathway;>>FoxO signaling pathway;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>Apoptosis;>>Osteoclast differentiation;>>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;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>TNF signaling pathway;>>Adipocytokine signaling pathway;>>Alcoholic liver disease;>>Alzheimer disease;>>Epithelial cell signaling in Helicobacter pylori infection;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Yersinia infection;>>Chagas disease;>>Toxoplasmosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Influenza A;>>Human pap
Gene Name :	CHUK/IKBKB
Protein Name :	Inhibitor of nuclear factor kappa-B kinase subunit alpha
Human Gene Id :	1147/3551
Human Swiss Prot No :	O15111;O14920
Mouse Gene Id :	16150
Rat Gene Id :	84351
Rat Swiss Prot No :	Q9QY78
Specificity :	endogenous

Formulation :	<u>PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA</u>
Source :	<u>Monoclonal, rabbit, IgG, Kappa</u>
Dilution :	<u>IHC 1:500-1:2000;WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;</u>
Purification :	<u>Protein A</u>
Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Molecularweight :	<u>86kD</u>
Observed Band :	<u>86kD</u>
Cell Pathway :	<u>T_Cell_Receptor; Insulin Receptor; B_Cell_Antigen; Stem cell pathway; Toll_Like; MAPK_ERK_Growth;MAPK_G_Protein; PI3K/Akt; NF_kappaB; Protein_Acetylation</u>
Background :	<u>This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor. [provided by RefSeq, Jul 2008],</u>
Function :	<u>catalytic activity:ATP + [I-kappa-B protein] = ADP + [I-kappa-B phosphoprotein].,enzyme regulation:Activated when phosphorylated and inactivated when dephosphorylated.,function:Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and 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. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFkB2/p100 associated with RelB, inducing its proteolytic processing to NFkB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.,PTM:Phosphorylated by MAP3K14/NIK, AKT and to a lesser extent by MEKK</u>
Subcellular Location :	<u>Cytoplasm, Nucleus</u>
Expression :	<u>Widely expressed.</u>

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-IKK α/β (PT0435R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: HeLa Lane 3: Rat womb Predicted band size: 86kDa Observed band size: 86kDa



Human breast carcinoma was stained with anti-IKK α/β (PT0435R) rabbit antibody