

兔抗 MAPKAPK2(Ab-272) 多克隆抗体

中文名称：兔抗 MAPKAPK2(Ab-272) 多克隆抗体

英文名称： Anti-MAPKAPK2(Ab-272) rabbit polyclonal antibody

别名： MK2; MK-2; MAPKAP-K2

相关类别： 一抗

储存： 冷冻（-20℃） 避光

抗原： MAPKAPK2(Ab-272)

宿主： Rabbit

反应种属： Human

标记物： Unconjugate

克隆类型： rabbit polyclonal

技术规格

Background:

Stress-activated serine/threonine-protein kinase involved in cytokines production, endocytosis, reorganization of the cytoskeleton, cell migration, cell cycle control, chromatin remodeling, DNA damage response and transcriptional regulation. Following stress, it is phosphorylated and activated by MAP kinase p38-alpha/MAPK14, leading to phosphorylation of substrates. Phosphorylates serine in the peptide sequence, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic residue. Phosphorylates ALOX5, CDC25B, CDC25C, ELAVL1, HNRNPA0, HSF1, HSP27/HSPB1, KRT18, KRT20, LIMK1, LSP1, PABPC1, PARN, PDE4A, RCSD1, RPS6KA3, TAB3 and TTP/ZFP3

	<p>6. Mediates phosphorylation of HSP27/HSPB1 in response to stress, leading to dissociate HSP27/HSPB1 from large small heat-shock protein (sHsps) oligomers and impair their chaperone activities and ability to protect against oxidative stress effectively. Involved in inflammatory response by regulating tumor necrosis factor (TNF) and IL6 production post-transcriptionally: acts by phosphorylating AU-rich elements (AREs)-binding proteins ELAVL1, HNRNPA0, PABPC1 and TTP/ZFP36, leading to regulate the stability and translation of TNF and IL6 mRNAs. Phosphorylation of TTP/ZFP36, a major post-transcriptional regulator of TNF, promotes its binding to 14-3-3 proteins and reduces its ARE mRNA affinity leading to inhibition of dependent degradation of ARE-containing transcript. Also involved in late G2/M checkpoint following DNA damage through a process of post-transcriptional mRNA stabilization: following DNA damage, relocalizes from nucleus to cytoplasm and phosphorylates HNRNPA0 and PARN, leading to stabilize GADD45A mRNA. Involved in toll-like receptor signaling pathway (TLR) in dendritic cells: required for acute TLR-induced macropinocytosis by phosphorylating and activating RPS6KA3.</p>
Applications:	WB, IHC
Name of antibody:	MAPKAPK2(Ab-272)
Immunogen:	Synthesized non-phosphopeptide derived from human MAPKAPK2 around the phosphorylation site of serine 272 (A-I-S(p)-P-G).
Full name:	mitogen-activated protein kinase-activated protein kinase 2
Synonyms :	MK2; MK-2; MAPKAP-K2
SwissProt:	P49137
IHC positive control:	Human breast carcinoma tissue
IHC Recommend dilution:	50-100
WB Predicted band size:	46 kDa
WB Positive control:	COS cells lysate
WB Recommended dilution:	500-3000

