

## 兔抗 MAPKAPK2(Ab-272) 多克隆抗体

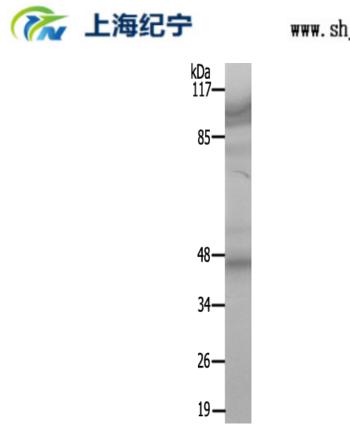
- 中文名称: 兔抗 MAPKAPK2(Ab-272) 多克隆抗体
- 英文名称: Anti-MAPKAPK2(Ab-272) rabbit polyclonal antibody
- 别名: MK2; MK-2; MAPKAP-K2
- 相关类别: 一抗
- 储存: 冷冻(-20℃) 避光
- 抗 原: MAPKAPK2(Ab-272)
- 宿 主: Rabbit
- 反应种属: Human
- 标记物: Unconjugate
- 克隆类型: rabbit polyclonal

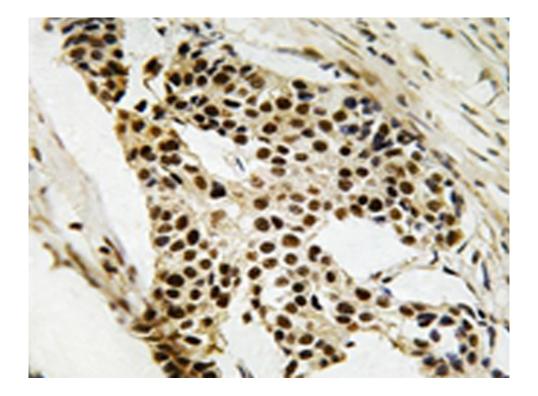
## 技术规格

	Stress-activated serine/threonine-protein kinase involved in cytokines production, endocytosis, reorganization of the cyt oskeleton, cell migration, cell cycle control, chromatin remo deling, DNA damage response and transcriptional regulatio n. Following stress, it is phosphorylated and activated by MAP kinase p38-alpha/MAPK14, leading to phosphorylation
Background:	of substrates. Phosphorylates serine in the peptide sequenc e, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic resid ue. Phosphorylates ALOX5, CDC25B, CDC25C, ELAVL1, HNR NPA0, HSF1, HSP27/HSPB1, KRT18, KRT20, LIMK1, LSP1, PA BPC1, PARN, PDE4A, RCSD1, RPS6KA3, TAB3 and TTP/ZFP3 6. Mediates phosphorylation of HSP27/HSPB1 in response t o stress, leading to dissociate HSP27/HSPB1 from large sm



	all heat-shock protein (sHsps) oligomers and impair their c haperone activities and ability to protect against oxidative stress effectively. Involved in inflammatory response by reg ulating tumor necrosis factor (TNF) and IL6 production pos t-transcriptionally: acts by phosphorylating AU-rich element s (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 bi nding to 14-3-3 proteins and reduces its ARE mRNA affinit y leading to inhibition of dependent degradation of ARE-c ontaining transcript. Also involved in late G2/M checkpoint following DNA damage through a process of post-transcrip tional mRNA stabilization: following DNA damage, relocaliz es from nucleus to cytoplasm and phosphorylates HNRNPA 0 and PARN, leading to stabilize GADD45A mRNA. Involve d in toll-like receptor signaling pathway (TLR) in dendritic cells: required for acute TLR-induced macropinocytosis by phosphorylating and activating RPS6KA3.
Applications:	WB, IHC
Name of antibody:	MAPKAPK2(Ab-272)
Immunogen:	Synthesized non-phosphopeptide derived from human MAP KAPK2 around the phosphorylation site of serine 272 (A-I-S(p)-P-G).
Full name:	mitogen-activated protein kinase-activated protein kinase 2
Synonyms :	МК2; МК-2; МАРКАР-К2
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





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