



# Rabbit Anti-Human MAPKAPK2 (Phospho-Ser272) polyclonal antibody (CABT-L3829)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-Human p53 (Phospho-Ser378) polyclonal antibody. This antibody detects endogenous levels of MAPKAPK2 only when phosphorylated at Ser272.
<b>Specificity</b>	Target Modification: Phospho. Modification Sites: Human: S272; Mouse: S258; Rat: S258
<b>Target</b>	Human MAPKAPK2 (Phospho-Ser272)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MAPKAPK2 around the phosphorylation site of Ser272. Immunogen range: 238-287
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, ELISA
<b>Molecular Weight</b>	45 kDa
<b>Preparation</b>	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
<b>Format</b>	Liquid

<b>Concentration</b>	Lot specific
<b>Size</b>	50 µl
<b>Buffer</b>	Rabbit IgG in PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl and 50% glycerol.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Stable at -20°C for at least 1 year.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.

**Keywords** MAPKAPK2;mitogen-activated protein kinase-activated protein kinase 2;MK2;MK-2;MAPKAP-K2;MAP kinase-activated protein kinase 2;MAPKAP kinase 2;MAPK-activated protein kinase 2;

## GENE INFORMATION

<b>Gene Name</b>	MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MAPKAPK2
<b>Synonyms</b>	kinase MAPKAPK2, MAP kinase-activated protein kinase 2, MAPK-activated protein kinase 2, MAPK2, MAPKAP kinase 2, MAPKAPK-2, MAPKAPK2, RPS6KC1
<b>Entrez Gene ID</b>	<a href="#">9261</a>
<b>UniProt ID</b>	<a href="#">P49137</a>