

## Anti-Phospho-MAPKAPK2 (Ser272) Polyclonal Antibody

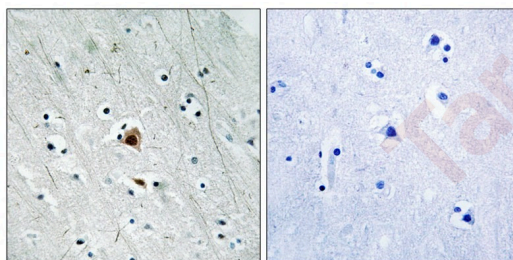
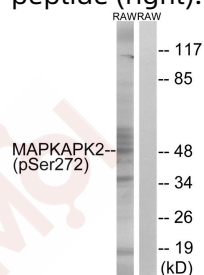
### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 45 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

### Applications

#### Verified Activity:

1. Western blot analysis of extracts from RAW264.7 cells treated with UV using MAPKAPK2 (Phospho-Ser272) Antibody TMAC-02465. The lane on the right is treated with the antigen-specific peptide.
2. Immunohistochemical analysis of paraffin-embedded human brain tissue using MAPKAPK2 (Phospho-Ser272) antibody TMAC-02465 (left) or the same antibody preincubated with blocking peptide (right).



Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 272(A-I-S(p)-P-G) derived from Human MAPKAPK2
Antigen Species:	Human
Uniprot ID:	P49137
Synonyms:	MAPKAPK2 (p-S272);p-MAPKAPK2 (Ser272);p-MAPKAPK2 (S272);MAPKAPK2 (p-Ser272)

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### Research Background

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.

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