MAPKAPK2 (Phospho-Ser272) Antibody

Catalog No: #11806

Package Size: #11806-1 50ul #11806-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

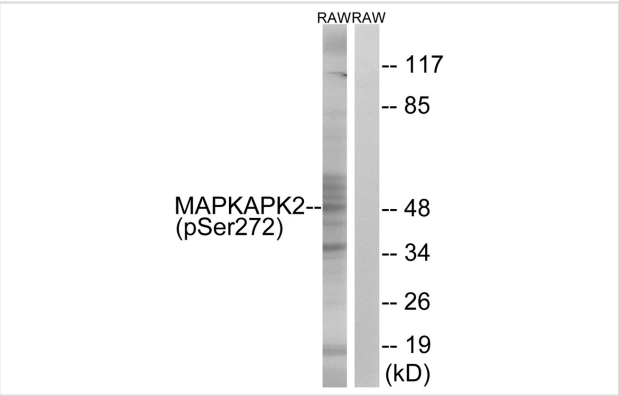
Product Name	MAPKAPK2 (Phospho-Ser272) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of MAPKAPK2 only when phosphorylated at serine 272.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 272(A-I-S(p)-P-G) derived from Human MAPKAPK2.
Target Name	MAPKAPK2
Modification	Phospho
Other Names	MAPK2; MAPKAPK2; RPS6KC1;
Accession No.	Swiss-Prot#: P49137; NCBI Gene#: 9261; NCBI Protein#: NP_116584.2.
Uniprot	P49137
GeneID	9261;
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

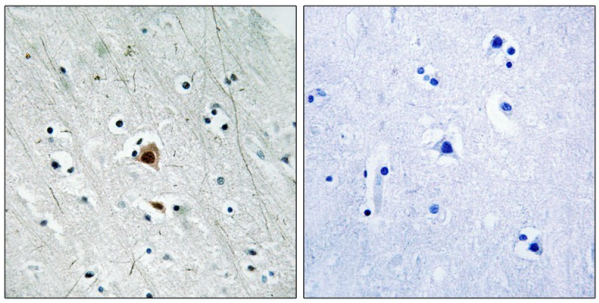
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from RAW264.7 cells treated with UV using MAPKAPK2 (Phospho-Ser272) Antibody #11806.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using MAPKAPK2 (Phospho-Ser272) antibody #11806 (left)or the same antibody preincubated with blocking peptide (right).

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.

Zu Y.-L., Biochem. Biophys. Res. Commun. 200-1118-1124(1994).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Stokoe D., Biochem. J. 296:843-849(1993).

Note: This product is for in vitro research use only