

MAPKAPK5 monoclonal antibody, clone 7H10B4

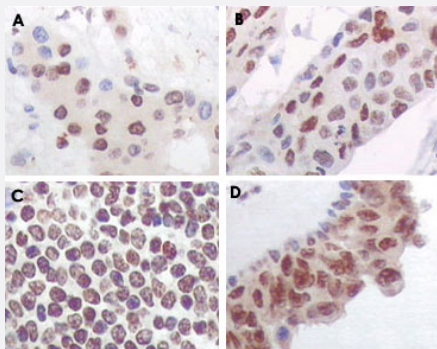
Catalog # MAB10404 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis using MAPKAPK5 monoclonal antibody, clone 7H10B4 (Cat # MAB10404) against truncated MAPKAPK5 recombinant protein.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human liver carcinoma (A), esophagus carcinoma (B), normal spleen tissue (C), breast carcinoma (D), showing nuclear and cytoplasmic localization using MAPKAPK5 monoclonal antibody, clone 7H10B4 (Cat # MAB10404) with DAB staining.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant MAPKAPK5.
Immunogen	Recombinant protein corresponding to human MAPKAPK5.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAPKAPK5

Entrez GeneID	8550
Gene Name	MAPKAPK5
Gene Alias	PRAK
Gene Description	mitogen-activated protein kinase-activated protein kinase 5
Omim ID	606723
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, this kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

p38-regulated/activated protein kinase

Pathway

- [MAPK signaling pathway](#)