

PRAK Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1061
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of PRAK expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	MAP kinase-activated protein kinase 5
Synonyms	MAPKAPK5; PRAK; MAP kinase-activated protein kinase 5; MAPK-activated protein kinase 5; MAPKAP kinase 5; MAPKAP-K5; MAPKAPK-5; MK-5; MK5; p38-regulated; activated protein kinase; PRAK

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a tumor suppressor and 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. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported.

Recommended Dilution

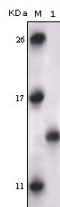
ELISA: 1:10000

IHC: 1:200 - 1:1000

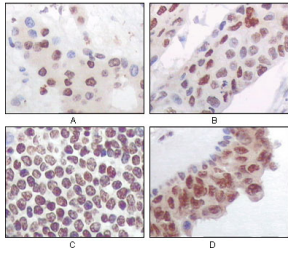
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using PRAK Monoclonal antibody against truncated PRAK recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma (A), esophagus carcinoma (B), normal spleen tissue(C), breast carcinoma (D), showing nuclear and cytoplasmic localization with DAB staining using PRAK Monoclonal antibody.

Storage

-20°C for one year

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