

PRAK Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07383
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MAPKAPK5. AA range:148-197
Mol wt	54220
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	PRAK Antibody
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 MAPKAPK5 (mitogen-activated protein kinase-activated protein kinase 5) 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 MAPKAPK5 encoding distinct isoforms have been reported.

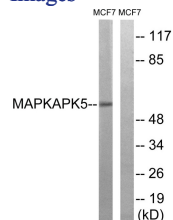
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of lysates from MCF-7 cells, using MAPKAPK5 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year