

MAPK7 antibody

Product Information

Catalog No.:	FNab04994
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Plays a role in various cellular processes such as proliferation, differentiation and cell survival. The upstream activator of MAPK7 is the MAPK kinase MAP2K5. Upon activation, it translocates to the nucleus and phosphorylates various downstream targets including MEF2C. EGF activates MAPK7 through a Ras-independent and MAP2K5-dependent pathway. May have a role in muscle cell differentiation. May be important for endothelial function and maintenance of blood vessel integrity. MAP2K5 and MAPK7 interact specifically with one another and not with MEK1/ERK1 or MEK2/ERK2 pathways. Phosphorylates SGK1 at Ser-78 and this is required for growth factor-induced cell cycle progression. Involved in the regulation of p53/TP53 by disrupting the PML-MDM2 interaction.

Immunogen information

Immunogen:	mitogen-activated protein kinase 7
Synonyms:	Mitogen-activated protein kinase 7 (MAP kinase 7, MAPK 7) Big MAP kinase 1 (BMK-1) Extracellular signal-regulated kinase 5 (ERK-5) MAPK7 BMK1 ERK5 PRKM7
Observed MW:	70 kDa
Uniprot ID :	Q13164

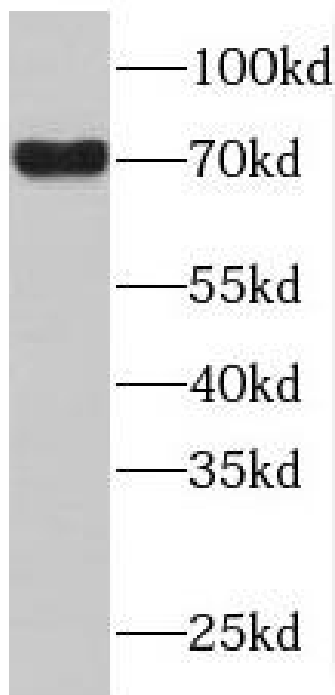
Application

Reactivity:	Human, Mouse
-------------	--------------

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab04994(MAPK7 antibody) at dilution of 1:300