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# anti-MAP2K5 antibody (pSer137)



Image



## Overview

Quantity:	100 μL
Target:	MAP2K5
Binding Specificity:	pSer137
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS)

## **Product Details**

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MEK5 around the phosphorylation site of Ser137
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

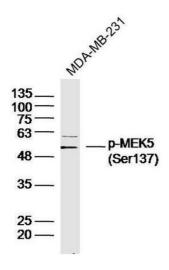
# **Target Details**

Target:	MAP2K5
Alternative Name:	MEK5 (MAP2K5 Products)
Background:	Synonyms: MAP2K5phospho S129, Dual specicity mitogen activated protein kinase kinase 5,
	MAP kinase kinase 5, MAP kinase kinase MEK5b, MAP2K5, MAPK/ERK kinase 5, MAPKK5,
	PRKMK5, EC 2.7.12.2.
	Background: MEK5 is a dual specificity protein kinase belonging to thr Ser/Thr protein kinase
	family, (MAP kinase kinase family). It is activated by phosphorylation on Ser/Thr by MAP kinase
	kinases and interacts specifically with ERK5, and not with another MAP kinase like P38. This
	kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be
	phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C
	isoforms (aPKCs). It is not phosphorylated by RAFA, RAFB or RAFC and it may interact with
	GTPases such as CDC42. The signal cascade mediated by this kinase is involved in growth
	factor stimulated cell proliferation and muscle cell differentiation. MEK5 is expressed in many
	adult tissues and is most abundant in heart and skeletal muscle.
Gene ID:	5607
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

# Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

# **Images**



# **Western Blotting**

**Image 1.** Human MDA-MB-231 cells probed with MEK5(Ser137) Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.