SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-MAP2K5 Monoclonal Antibody

Catalog Number: SLA0464M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
GeneID:	5607
SWISS:	Q13163
Target:	MAP2K5
Immunogen:	KLH conjugated synthetic peptide derived from human MEK5
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	50 kDa
Subcellular Location:	Cytoplasm
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

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	most abundant in heart and skeletal muscle.

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