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MAPK Organizer 1 Polyclonal Antibody
Catalog # AP73628

Specification

MAPK Organizer 1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9BRX9
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

MAPK Organizer 1 Polyclonal Antibody - Additional Information

Gene ID 84292

Other Names
WDR83; MORG1; WD repeat domain-containing protein 83; Mitogen-activated protein kinase organizer 1; MAPK organizer 1

Dilution
WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

MAPK Organizer 1 Polyclonal Antibody - Protein Information

Name WDR83

Synonyms MORG1

Function
Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. Also involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). May also be involved in pre-mRNA splicing. Participates in tight junction development by regulating apico-basal polarity, a key step in tissue development and organization. Mechanistically, regulates the translocation of PAR6-aPKC from the cytoplasm to the apical surface by acting as an adapter between PARD6B AND CRB3 (PubMed:23439680). Also acts as

a negative regulator of mTORC1 under nutrient-rich conditions by binding to the active Rag GTPases to inhibit mTORC1 localization to the lysosome and phosphorylation of downstream targets. This facilitates constitutive basal autophagy during nutrient availability (PubMed:38103557).

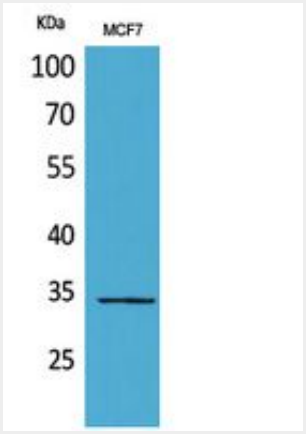
Cellular Location
Cytoplasm. Lysosome. Nucleus Note=Predominantly cytoplasmic. Partially nuclear.

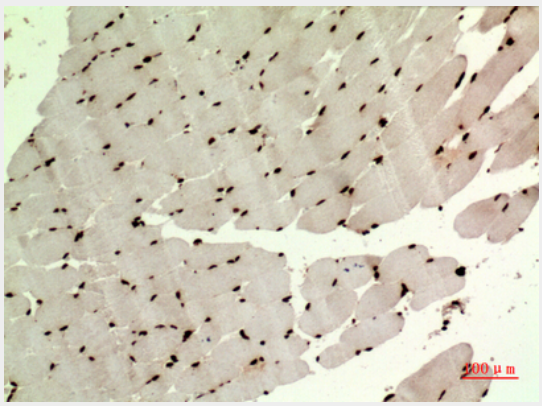
MAPK Organizer 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAPK Organizer 1 Polyclonal Antibody - Images





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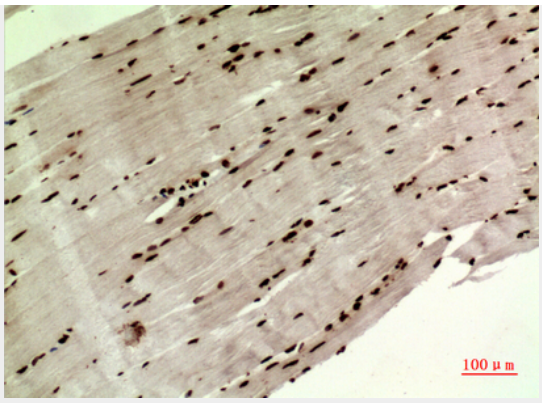

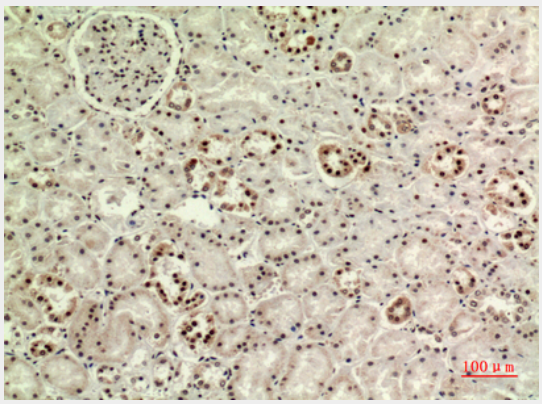

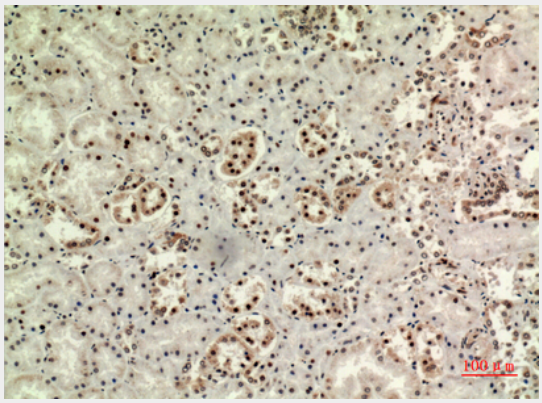

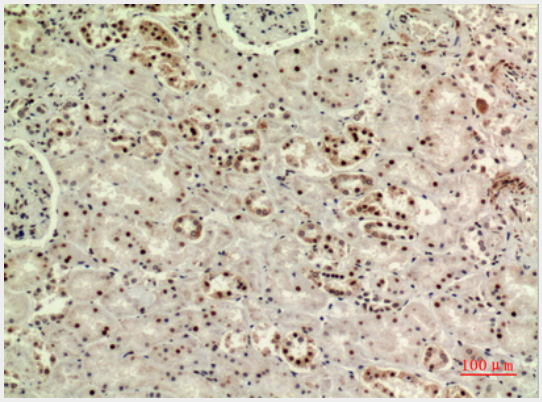

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MAPK Organizer 1 Polyclonal Antibody - Background

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