

**DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody**  
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Catalog # AP93840

## Specification

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### DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">Q68J44</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Calculated MW	25336

### DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody - Additional Information

Gene ID 338599

#### Other Names

Dual specificity phosphatase 29 {ECO:0000312|HGNC:HGNC:23481}, Dual specificity phosphatase 27, Dual specificity phosphatase DUPD1, 3.1.3.16, 3.1.3.48, DUSP29 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=23481](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=23481) target="\_blank">HGNC:23481</a>)

#### Storage Conditions

-20°C

### DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody - Protein Information

Name DUSP29 ([HGNC:23481](#))

#### Function

Dual specificity phosphatase able to dephosphorylate phosphotyrosine, phosphoserine and phosphothreonine residues within the same substrate, with a preference for phosphotyrosine as a substrate (PubMed:<http://www.uniprot.org/citations/17498703> target="\_blank">17498703</a>). Involved in the modulation of intracellular signaling cascades. In skeletal muscle regulates systemic glucose homeostasis by activating, AMPK, an energy sensor protein kinase (By similarity). Affects MAP kinase signaling through modulation of the MAPK1/2 cascade in skeletal muscle promoting muscle cell differentiation, development and atrophy (By similarity).

#### Cellular Location

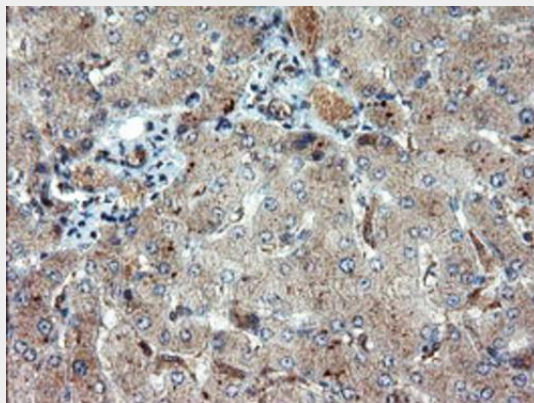
Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q8BK84}

### DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody - Protocols

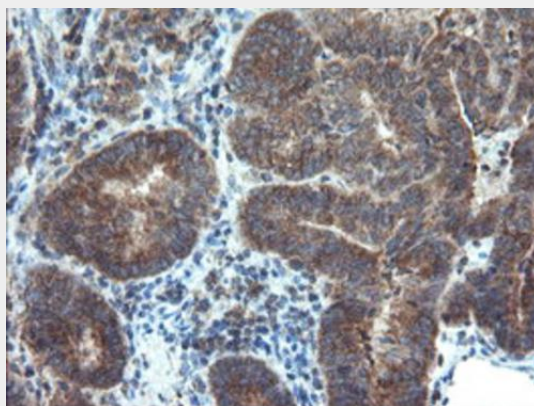
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

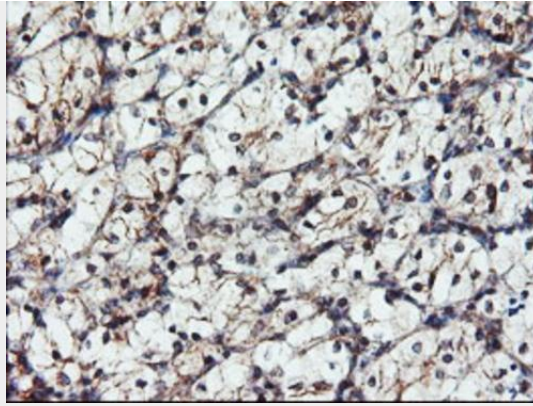
#### **DUPD1 (DUSP27) (18A10) Mouse Monoclonal antibody - Images**



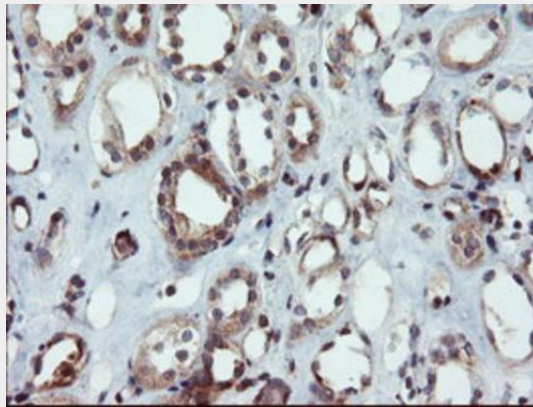
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)



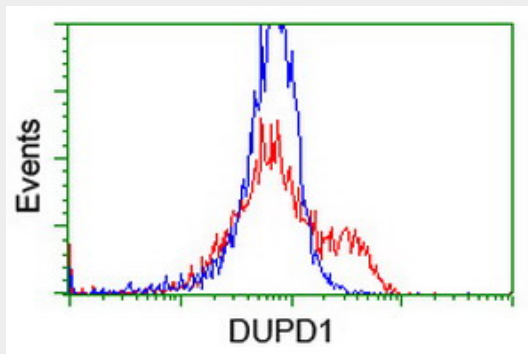
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)



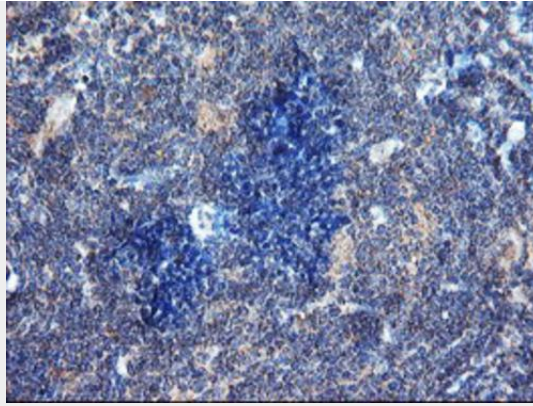
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)



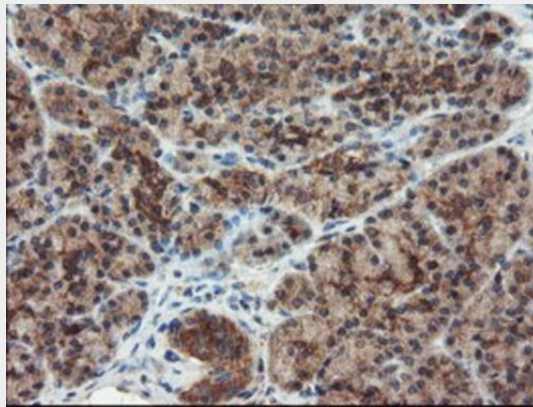
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DUPD1 antibody (AP93840), and then analyzed by flow cytometry.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DUPD1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93840)