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DUPD1 (DUSP27) (8Z13) Mouse Monoclonal antibody

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Catalog # AP93837

Specification

DUPD1 (DUSP27) (8Z13) Mouse Monoclonal antibody - Product Information

Application	**WB, IF**
Primary Accession	Q68J44
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Calculated MW	**25336**

DUPD1 (DUSP27) (8Z13) 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 (HGNC:23481)

Dilution
WB~~1:1000
IF~~1:50~200

Storage Conditions
-20℃

DUPD1 (DUSP27) (8Z13) 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:17498703). 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 though 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}

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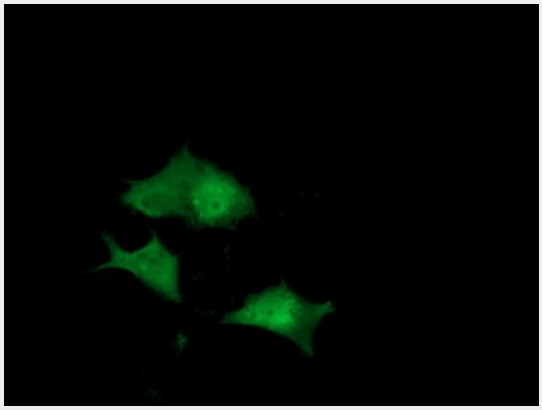
DUPD1 (DUSP27) (8Z13) Mouse Monoclonal antibody - Protocols

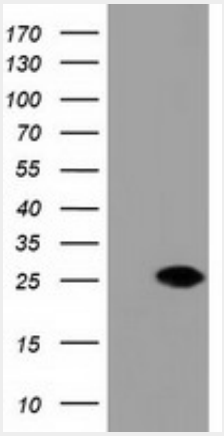
Provided below are standard protocols that you may find useful for product applications.

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

DUPD1 (DUSP27) (8Z13) Mouse Monoclonal antibody - Images



Anti-DUPD1 mouse monoclonal antibody (AP93837) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DUPD1.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DUPD1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DUPD1. Positive lysates (100ug) and (20ug) can be purchased separately from biodragon.