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DUPD1 (DUSP27) (18V4) Mouse Monoclonal antibody

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Catalog # AP93839

Product Information

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

Additional Information

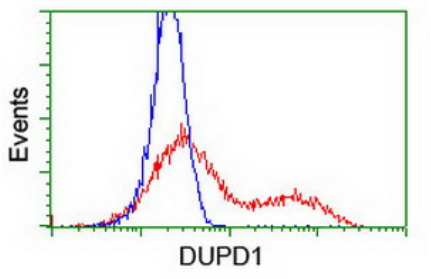
Gene ID	338599
Other Names	Dual specificity phosphatase 29 {ECO:0000312|HGNC:HGNC:23481}, Dual specificity phosphatase 27, Dual specificity phosphatase DUPD1, 3.1.3.16, 3.1.3.48, DUSP29 (HGNC:23481)
Dilution	WB~~1:1000 IF~~1:50~200
Storage Conditions	-20℃

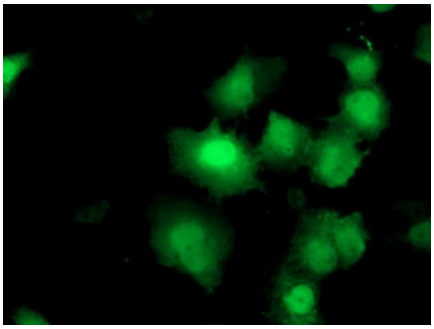
Protein Information

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}

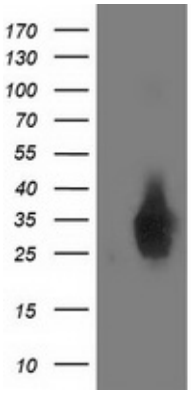
Images

HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DUPD1 antibody (AP93839), and then analyzed by flow cytometry.





Anti-DUPD1 mouse monoclonal antibody (AP93839) 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.