

MYOD Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide made to an N-terminal region of the human MyoD1 protein (within residues 1-150).
Form	Liquid
Concentration	1.0 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11152869

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000	2 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1:100	6 Publications

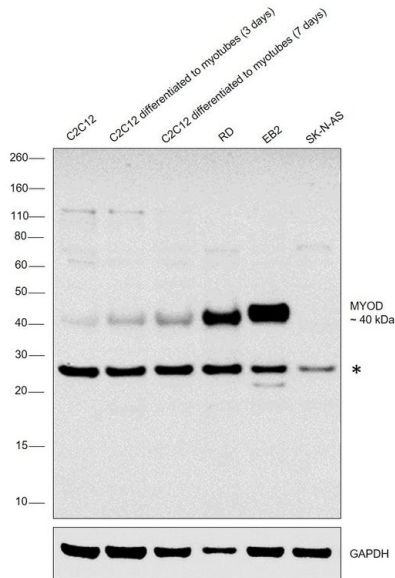
Product Specific Information

The target sequence has 90% sequence homology with mouse.

Product Images For MYOD Polyclonal Antibody

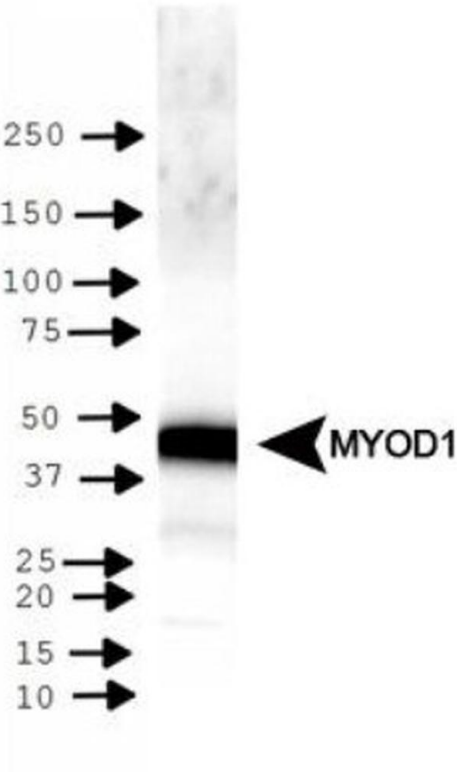
MYOD Antibody (PA5-23078) in WB

Western blot was performed using Anti-MYOD Polyclonal Antibody (Product # PA5-23078) and a 40 kDa band corresponding to MYOD was observed across all the cell lines tested except SK-N-AS which is reported to be low expressing cell line and was increased in C2C12 upon differentiation to myotubes along with an uncharacterized band at ~25 kDa. Modified whole cell extracts (1% SDS) (30 µg lysate) of C2C12 (Lane 1), C2C12 differentiated to myotubes (3 days) (Lane 2), C2C12 differentiated to myotubes (7 days) (Lane 3), RD (Lane 4), EB-2 (Lane 5) and SK-N-AS (Lane 6) were electrophoresed using Novex® NuPAGE® 12% Bis-Tris Protein Gel (Product # NP0342BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



MYOD Antibody (PA5-23078) in WB

Western blot analysis of MYOD in MYOD1 in RH30 cells. Sample was incubated in MYOD polyclonal antibody (Product # PA5-23078).



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Western Blot (2)

<p>Journal of cellular biochemistry</p> <p>MiR-455-5p monitors myotube morphogenesis by targeting mylip.</p> <p>"PA5-23078 was used in Western Blotting to uncover novel miR-455-5p targets and establish a functional link between Mylip and myotube morphogenesis."</p> <p>Authors: Dong YH,Zhou CJ,Zhang MY,Tao J,Zhang XM,An L,Zhang J,Yang J,Liu DJ,Cang M</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>
<p>Journal of cellular signaling</p> <p>FOX P1 Interacts with MyoD to Repress its Transcription and Myoblast Conversion.</p> <p>"Published figure using MYOD polyclonal antibody (Product # PA5-23078) in Western Blot"</p> <p>Authors: Wright WE,Li C,Zheng CX,Tucker HO</p>	<p>Year 2021</p>

Immunohistochemistry (1)

<p>Frontiers in cell and developmental biology</p> <p>Stimulation of Non-canonical NF-B Through Lymphotoxin--Receptor Impairs Myogenic Differentiation and Regeneration of Skeletal Muscle.</p> <p>"Published figure using MYOD polyclonal antibody (Product # PA5-23078) in Immunohistochemistry"</p> <p>Authors: Schmidt M,Weidemann A,Poser C,Bigot A,von Maltzahn J</p>	<p>Year 2021</p>
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Immunocytochemistry (6)

<p>Bio-protocol</p> <p>An <i>in vitro</i> Mechanical Damage Model of Isolated Myofibers in a Floating Culture Condition.</p> <p>"PA5-23078 was used in Immunocytochemistry to describe a protocol for the mechanical damage of myofibers and co-culture of intact healthy myofibers with damaged myofibers in a floating condition."</p> <p>Authors: Tsuchiya Y,Ono Y</p>	<p>Year 2022</p> <p>Species Mouse</p>
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