bs-23809R

[Primary Antibody]

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MyoD1/Myf3 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 4654 SWISS: P15172

Target: MyoD1/Myf3

Immunogen: KLH conjugated synthetic peptide derived from human

MyoD1/Myf3: 1-100/320.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

[provided by RefSeq, Jul 2008]

400-901-9800 Applications: WB (1:500-2000)

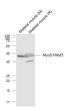
Reactivity: Mouse, Rat

(predicted: Human, Pig, Sheep, Cow, Dog, Horse)

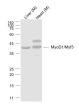
Predicted 35 kDa MW.:

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Skeletal muscle (Mouse) Lysate at 40 ug Lane 2: Skeletal muscle (Rat) Lysate at 40 ug Primary: Anti-MyoD1/Myf3 (bs-23809R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 40 kD



Sample: Lane 1: Liver (Mouse) Lysate at 40 ug Lane 2: Heart (Mouse) Lysate at 40 ug Primary: Anti-MyoD1' Myf3 (bs-23809R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 40 kD

- SELECTED CITATIONS -

- [IF=12] Youxi Lin. et al. Understanding the Role of NOTCH2 Mutation in Centronuclear Myopathy. MOL THER. 2025 May;: WB; Mouse. 40336196
- [IF=8.713] Zhao-Bo Luo. et al. Fecal transplant from myostatin deletion pigs positively impacts the gut-muscle axis. ELIFE, 2023: 12: e81858 WB : Mouse, 37039469
- [IF=8.025] Siqi Liu. et al. Estrogen-mediated oar-miR-485-5p targets PPP1R13B to regulate myoblast proliferation in sheep. INT J BIOL MACROMOL. 2023 May;236:123987 WB ;Ewe. 36906210
- [IF=8.2] Yuan He. et al. Ferulic Acid Attenuates Sarcopenia Progression by Inhibiting Peroxisomal ACOX1. FREE RADICAL BIO MED. 2025 Aug;: WB; Mouse. 40816648
- [IF=4.9] Jingni Li. et al. Selenium alleviates cadmium-induced Golgi stress via HSPB7/GM130/CX-43 axis in the heart of sheep. J NUTR BIOCHEM. 2025 Jun;:109993 WB; Sheep. 40490057