bs-2442R

- DATASHEET -

[Primary Antibody]

MyoD1/Myf3 Rabbit pAb



techsupport@bioss.com.cn 400-901-9800

DATASHELI			
Host: Rabl	pit I	sotype: IgG	Applications: WB (1:500-2000)
Clonality: Poly	clonal		
GenelD: 1792	.7	SWISS: P10085	
Target: Myo	D1/Myf3		
Immunogen: KLH conjugated synthetic peptide derived from mouse MyoD1: 51-150/318.			
Purification: affinity purified by Protein A			Reactivity: Mouse Rat
Concentration: 1mg/ml			neuenny, mouse, nat
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.			Predicted MW.: ^{35 kDa}
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]			Subcellular Location: ^{Nucleus}

— VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with MyoD1/Myf3 polyclonal antibody, unconjugated (bs-2442R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

- SELECTED CITATIONS -

- [IF=8.5] Genghua Chen. et al. Bulk and single-cell alternative splicing analyses reveal roles of TRA2B in myogenic differentiation. CELL PROLIFERAT. 2023 Sep;:e13545 WB ;Chicken. 37705195
- [IF=5.895] Sheng-Zhong Han. et al. miR-455-3p Is Negatively Regulated by Myostatin in Skeletal Muscle and Promotes Myoblast Differentiation. J AGR FOOD CHEM. 2022;70(33):10121–10133 WB ;Pig,Mouse. 35960196
- [IF=6.064] Sanghun Park. et al. Effects of Hypoxia on Proliferation and Differentiation in Belgian Blue and Hanwoo Muscle Satellite Cells for the Development of Cultured Meat. BIOMOLECULES. 2022 Jun;12(6):838 IF ;Bovine. 35740963
- [IF=5.924] Jing Zhang. et al. LncRNA SMARCD3-OT1 Promotes Muscle Hypertrophy and Fast-Twitch Fiber Transformation via Enhancing SMARCD3X4 Expression. INT J MOL SCI. 2022 Jan;23(9):4510 WB ;Chicken. 35562902
- [IF=6.1] Qingyu Ding. et al. N-acetylcysteine alleviates oxidative stress and apoptosis and prevents skeletal muscle atrophy in type 1 diabetes mellitus through the NRF2/HO-1 pathway. LIFE SCI. 2023 Sep;329:121975 WB ;Dog. 37495077