

**bs-3550R****[ Primary Antibody ]**

## Myogenin Rabbit pAb

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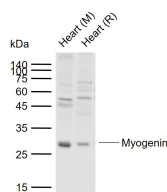
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### DATASHEET

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)
<b>GeneID:</b> 4656	<b>SWISS:</b> P15173	<b>Predicted MW.:</b> 25 kDa
<b>Target:</b> Myogenin		<b>Subcellular Location:</b> Nucleus
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MYOG/Myogenin: 65-180/224.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> Myogenin is a member of a family of myogenic regulatory genes, which includes MyoD, myf5 and MRF4. These genes encode a set of transcription factors, which are essential for muscle development. Transfection of myogenin into multipotential mesodermal cells have been shown to convert the mesodermal cells to myoblasts. Expression of myogenin is restricted to cells of skeletal muscle origin. It is therefore a useful marker for tumors of the muscle lineage, being strongly expressed in alveolar rhabdomyosarcomas.		

### VALIDATION IMAGES



Sample: Lane 1: Mouse Heart tissue lysates  
Lane 2: Rat Heart tissue lysates  
Primary: Anti-Myogenin (bs-3550R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 25 kDa  
Observed band size: 28 kDa

### 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=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=7.7]** Junfang Zhang. et al. GSK3 regulation Wnt/ $\beta$ -catenin signaling affects adipogenesis in bovine skeletal muscle fibro/adipogenic progenitors. INT J BIOL MACROMOL. 2024 Aug;275:133639 IF ;Bovine. 38969042
- **[IF=8.2]** Zihao Zhang. et al. Chicken muscle antibody array reveals the regulations of LDHA on myoblast differentiation through energy metabolism. INT J BIOL MACROMOL. 2024 Jan;254:127629 WB ;Chicken. 37890747
- **[IF=8.2]** Li Li. et al. The novel RNA-RNA activation of H19 on MyoD transcripts promoting myogenic differentiation of goat muscle satellite cells. INT J BIOL MACROMOL. 2023 Dec;253:127341 WB ;Goat. 37852400

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.