bs-8555R **[Primary Antibody]**

Desmuslin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 23336 **SWISS:** O15061

Target: Desmuslin

Immunogen: KLH conjugated synthetic peptide derived from human Desmuslin: 501-650/1565.

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: The protein encoded by this gene is an intermediate filament (IF) family member. IF proteins are cytoskeletal proteins that confer resistance to mechanical stress and are encoded by a dispersed multigene family. This protein has been found to form a linkage between desmin, which is a subunit of the IF network, and the extracellular matrix, and provides an important structural support in muscle. Two alternatively spliced variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008].

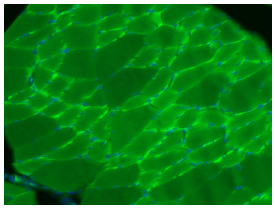
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:200-800)

Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow)

Predicted MW.: 172 kDa

Subcellular Location: Cell membrane ,Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Desmuslin) Polyclonal Antibody, Unconjugated (bs-8555R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

SELECTED CITATIONS

- **[IF=15.887]** Weihl, Conrad C.. et al. Loss of function variants in DNAJB4 cause a myopathy with early respiratory failure. ACTA NEUROPATHOL. 2022 Oct;:1-17 WB ;Mouse. 36264506
- **[IF=6.39]** Bengoechea, Rocio, et al. "Myofibrillar disruption and RNA binding protein aggregation in a mouse model of limb girdle muscular dystrophy 1D." Human Molecular Genetics (2015): ddv363. WB ;="Mouse". 26362252
- **[IF=6.183]** Jipeng Jiang. et al. 3D printing collagen/heparin sulfate scaffolds boost neural network reconstruction and motor function recovery after traumatic brain injury in canine. Biomater Sci-Uk. 2020 Nov;8(22):6362-6374 IF ;Dog.

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- **[IF=4.902]** Bengoechea et al. Myofibrillar disruption and RNA-binding protein aggregation in a mouse model of limb-girdle muscular dystrophy 1D. (2015) Hum.Mol.Genet. 24:6588-602 WB ;Mouse. 26362252