bs-2413R **[Primary Antibody]**

PAX7 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5081 **SWISS:** P23759

Target: PAX7

Immunogen: KLH conjugated synthetic peptide derived from human PAX7: 401-500/520.

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: PAX7 is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of PAX7 is unknown but it is speculated to be involved in tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Alternative splicing in this gene has produced two known products but the biological significance of the variants is unknown.

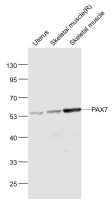
Applications: **WB** (1:500-2000)

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

Predicted MW.: 55 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Uterus(Mouse) Lysate at 40 ug Skeletal muscle(Rat) Lysate at 40 ug Skeletal muscle(Mouse) Lysate at 40 ug Primary: Anti-PAX7 (bs-2413R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD

SELECTED CITATIONS

- **[IF=6.2]** Shuang Li. et al. Sulforaphane Promotes the Skeletal Muscle Postinjury Regeneration by Up-Regulating the Transcription of Prl2c2 through JAK2/STAT3 Signaling. J AGR FOOD CHEM. 2025;XXXX(XXX):XXX-XXX IHC,IF ;Mouse. 40391687
- **[IF=5.77]** Hung-Liang Pai. et al. Klotho null mutation involvement in adenosine A2B receptor-related skeletal muscle degeneration. AM J PATHOL. 2023 Apr;: IF ;Mouse. 37028594
- **[IF=6.208]** Yue Liu. et al. Genome-Wide Analysis of Circular RNAs Reveals circCHRNG Regulates Sheep Myoblast Proliferation via miR-133/SRF and MEF2A Axis. INT J MOL SCI. 2022 Jan;23(24):16065 WB ;Sheep. 36555706
- **[IF=5.23]** Zhao, Qian, et al. "Expression profiling and functional characterization of miR-192 throughout sheep skeletal

muscle development." Scientific Reports6 (2016): 30281. ICC ;Sheep, Mouse. 27452271

- **[IF=4.963]** Frudinger A et al.Skeletal muscle-derived cell implantation for the treatment of sphincter-related faecal incontinence.(2018) Stem Cell Res Ther. Sep 13;9(1):233. FCM ;Human. 30213273