



Slow Skeletal Myosin Heavy chain Recombinant Rabbit Monoclonal Antibody [PSH06-58]

cat.: 0992-**HA722721**

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IHC-P
Clonality:	Monoclonal
Clone number:	PSH06-58
Form:	Liquid
Storage condition:	Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer:	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Concentration:	1ug/ul
Purification:	Protein A affinity purified.
Molecular weight:	Predicted band size: 223 kDa
Isotype:	IgG
Immunogen:	Synthetic peptide within human MYH7 aa 1,250-1,300.
Positive control:	Mouse skeletal muscle tissue lysate, Rat skeletal muscle tissue lysate, human skeletal muscle tissue.
Subcellular location:	Cytoplasm, myofibril, sarcomere.
Recommended Dilutions:	
WB	1:1,000
IHC-P	1:2,000
Uniprot #:	SwissProt: P12883 Human Q91Z83 Mouse P02564 Rat
Alternative names:	Beta myosin heavy chain cardiac muscle beta isoform CMD1S CMH1 MPD1 MYH7 MYH7_HUMAN Myhc slow MyHC-beta MyHC-slow MYHCB Myopathy, distal 1 Myosin heavy chain (AA 1-96) Myosin heavy chain 7 Myosin heavy chain Myosin heavy chain slow isoform Myosin heavy chain, cardiac muscle beta isoform Myosin, heavy chain 7, cardiac muscle, beta Myosin, heavy polypeptide 7, cardiac muscle, beta Myosin-7 Rhabdomyosarcoma antigen MU RMS 40.7A SPMD SPMM

Images

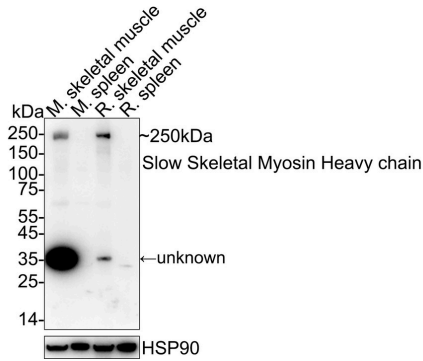


Fig1: Western blot analysis of Slow Skeletal Myosin Heavy chain on different lysates with Rabbit anti-Slow Skeletal Myosin Heavy chain antibody (HA722721) at 1/1,000 dilution.

Lane 1: Mouse skeletal muscle tissue lysate (40 µg/Lane)
Lane 2: Mouse spleen tissue lysate (negative) (40 µg/Lane)
Lane 3: Rat skeletal muscle tissue lysate (40 µg/Lane)
Lane 4: Rat spleen tissue lysate (negative) (40 µg/Lane)

Predicted band size: 223 kDa
Observed band size: 250 kDa

Exposure time: 1 minute; ECL: K1802;
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (HA722721) at 1/1,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

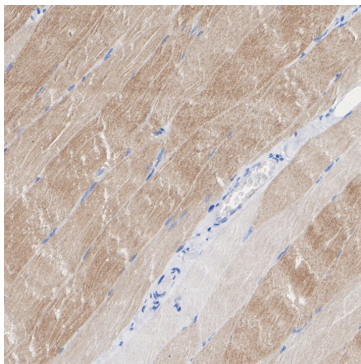


Fig2: Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue with Rabbit anti-Slow Skeletal Myosin Heavy chain antibody (HA722721) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA722721) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

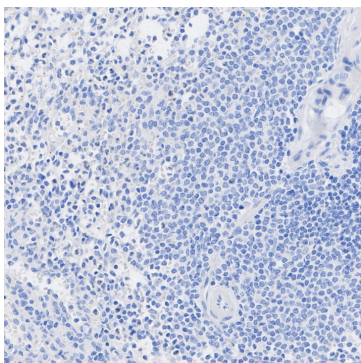


Fig3: Immunohistochemical analysis of paraffin-embedded human spleen tissue (negative) with Rabbit anti-Slow Skeletal Myosin Heavy chain antibody (HA722721) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA722721) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

