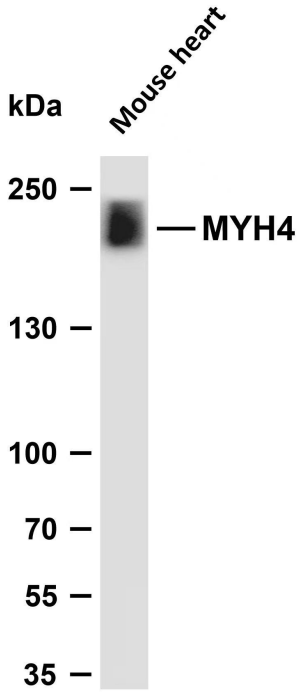
MYH4 (PTR1485) Mouse mAb

Catalog No	YP-Ab-19568
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB, IHC, IF, ELISA
Gene Name	MYH4
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal,Mouse,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein G affinity chromatography.
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	MYH4;Myosin-4;MYH4 ; Myosin-4 ; Myosin heavy chain 2b ; MyHC-2b ; Myosin heavy chain 4 ; Myosin heavy chain IIb ; MyHC-IIb ; Myosin heavy chain ; skeletal muscle,fetal
Observed Band	230kD
Calculated Molecular Weight	223kD
Cell Pathway	Cytoplasm , myofibril. Thick filaments of the myofibrils.
Tissue Specificity	Skeletal muscle ,
Function	Domain:The rodlike tail sequence is highly repetitive , showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides , characteristic for alpha-helical coiled coils. ,Function:Muscle contraction. ,miscellaneous:Each myosin heavy chain can be split into 1 light meromyosin (LMM) and 1 heavy meromyosin (HMM) . It can later be split further into 2 globular subfragments (S1) and 1 rod-shaped subfragment (S2) . ,similarity:Contains 1 IQ domain. ,similarity:Contains 1 myosin head-like domain. ,subcellular location:Thick filaments of the myofibrils. ,subunit:Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC) , 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2) . ,
Background	domain:The rodlike tail sequence is highly repetitive , showing cycles of a 28-residue repeat pattern composed of 4 heptapeptides , characteristic for

	alpha-helical coiled coils. ,function:Muscle contraction. ,miscellaneous:Each myosin heavy chain can be split into 1 light meromyosin (LMM) and 1 heavy meromyosin (HMM) . It can later be split further into 2 globular subfragments (S1) and 1 rod-shaped subfragment (S2) . ,similarity:Contains 1 IQ domain. ,similarity:Contains 1 myosin head-like domain. ,subcellular location:Thick filaments of the myofibrils. ,subunit:Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC) , 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2) . ,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

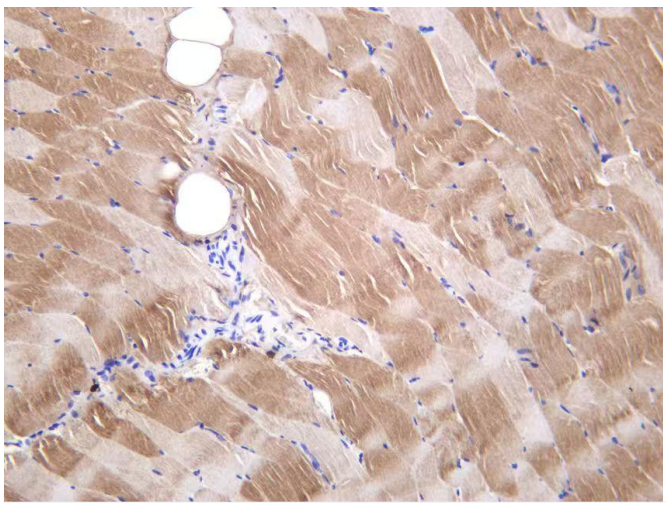


Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was incubated with anti-MYH4 (PTR1485) antibody at a dilution of 1:5000. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody.

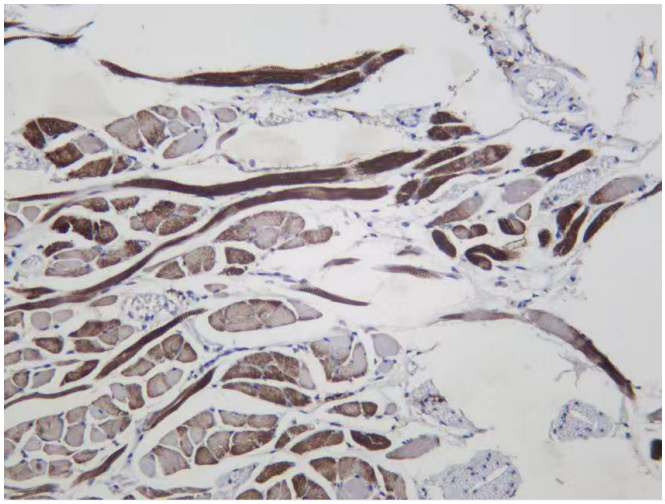
Lane 1: Mouse heart

Predicted band size: 223kDa

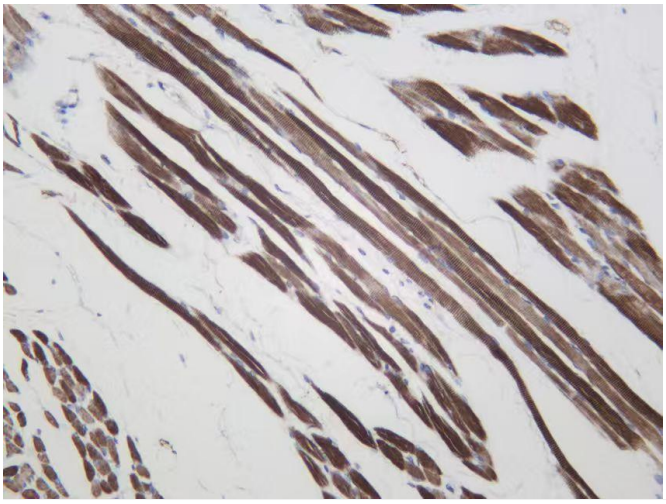
Observed band size: 230kDa



Human skeletal muscle was stained with anti-MYH4 (PTR1485) Mouse antibody



Mouse tongue was stained with anti-MYH4 (PTR1485) Mouse antibody



Rat tongue was stained with anti-MYH4 (PTR1485) Mouse antibody