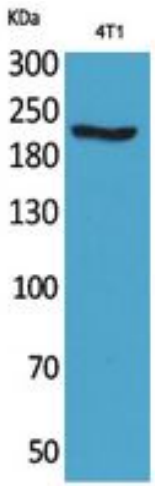
MYH-pan Polyclonal Antibody

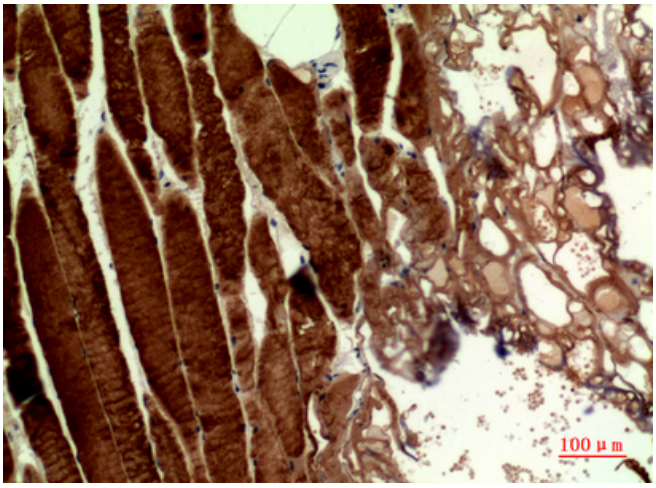
Catalog No	YP-Ab-03233
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MYH1/MYH2/MYH3/PTPRJ/MYH6/MYH7/MYH8
Immunogen	The antiserum was produced against synthesized peptide derived from human MYH-pan around the non-acetylation site of Lys1394. AA range:1351-1400
Specificity	MYH-pan Polyclonal Antibody detects endogenous levels of MYH-pan protein only when acetylation at K1394.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MYH-pan;MYH1/MYH2/MYH3/PTPRJ/MYH6/MYH7/MYH8;Myosin-1/Myosin-2/Myosin-3/Receptor-type tyrosine-protein phosphatase eta/Myosin-6/Myosin-7/Myosin-8;MYH1;Myosin-1;Myosin heavy chain 1;Myosin heavy chain 2x;MyHC-2x;Myosin heavy chain IIx/d;MyHC-IIx/d;Myosin heavy chain;skeletal muscle; adult 1;MYH2;MYHSA2;Myosin-2;Myosin heavy chain 2Myosin heavy chain 2; Myosin heavy chain 2a;MyHC-2a;Myosin heavy chain IIa;MyHC-IIa;adult 2; MYH3;Myosin-3;Muscle embryonic myosin heavy chain;Myosin heavy chain 3
Observed Band	225kD
Calculated Molecular Weight	225kD
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	Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. Myosin heavy chains are encoded by a multigene family. In mammals at least 10 different myosin heavy chain (MYH) isoforms have been described from striated, smooth, and nonmuscle cells. These isoforms show expression that is spatially and temporally regulated during development. [provided by RefSeq, Jul 2008],
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.

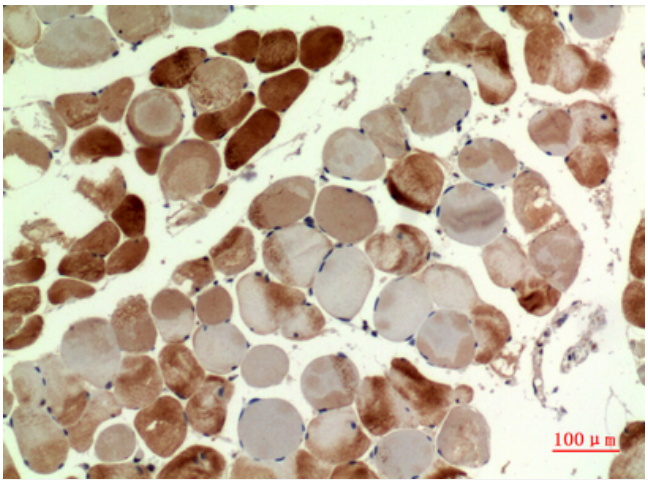
Products Images



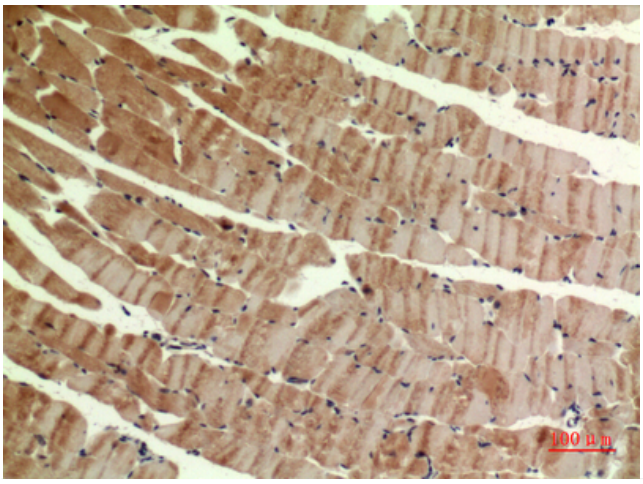
Western Blot analysis of 4T1 cells using MYH-pan Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



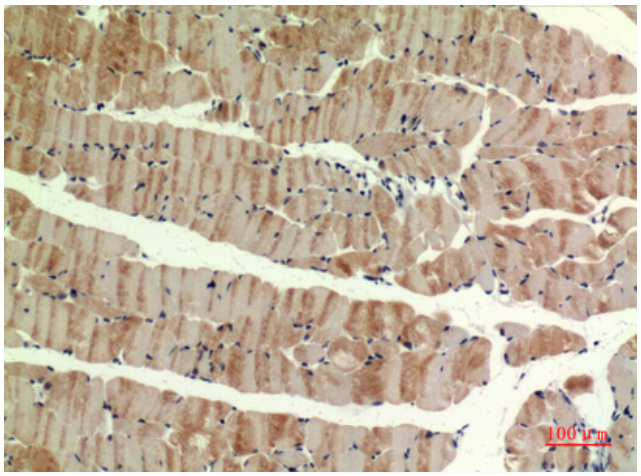
Immunohistochemical analysis of paraffin-embedded human-muscle, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-muscle, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100