

Anti-Myosin IIA Heavy Chain (Ser-1943), Phosphospecific Antibody

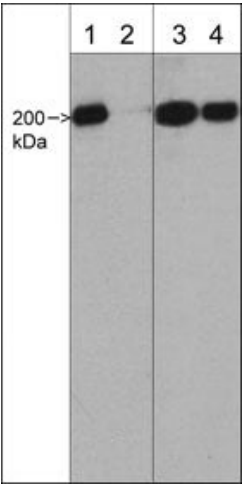


Product Details

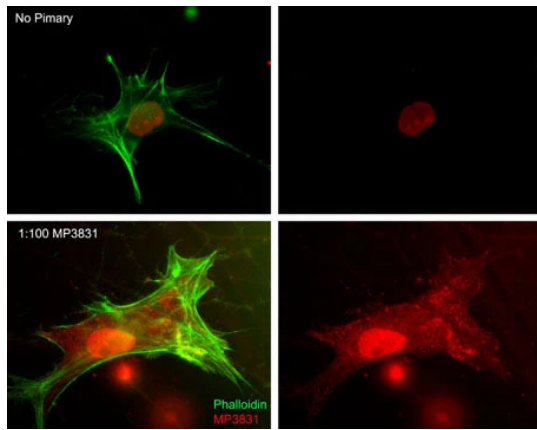
Available Variants	100 µL (SKU:MP3831)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MYH9
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-NMHC-IIA (Ser-1943) synthetic peptide (coupled to KLH) corresponding to amino acid residues surrounding Ser-1943 in human myosin IIA heavy chain. This peptide sequence is highly conserved in rat and mouse NMHC-IIA, but is not found in NMHC-IIB and is not well conserved in NMHC-IIC.
Specificity	This antibody was cross-adsorbed to unphosphorylated NMHC-IIA (Ser-1943) peptide before affinity purification using phospho-NMHC-IIA (Ser-1943) peptide (without carrier). The antibody detects a 200 kDa* protein corresponding to NMHC-IIA on SDS-PAGE immunoblots of human A431, Jurkat, mouse C2C12, and rat PC12 cells. This reactivity is removed after treatment with lambda phosphatase. The antibody also detects NMHC-IIA (Ser-1943) phosphorylation in chick Fibroblasts.

Molecular Weight	200
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	<u>P35579</u>
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	S1943

Product Images



Western blot image of human A431 cells. The blots were untreated (lanes 1 & 3) or treated with lambda phosphatase (lanes 2 & 4), then probed with rabbit polyclonal Myosin IIA Heavy Chain (Ser-1943), phospho-specific antibody (lanes 1 & 2) or rabbit polyclonal Myosin IIA Heavy Chain (a.a. 1936-1950) antibody (lanes 3 & 4).



Immunocytochemical labeling of myosin IIA heavy chain phosphorylation relative to F-actin in chick fibroblasts. The cells were labeled with rabbit polyclonal Myosin IIA Heavy Chain (Ser-1943) antibody (MP3831), then detected using appropriate secondary antibody (Bottom, Red). This labeling is compared to F-actin staining (Bottom, Green) and to secondary only (Top). (Image provided by Dr. Gianluca Gallo at Drexel University).

Product Page URL: www.antibodiesinc.com/products/anti-myosin-ii-a-heavy-chain-ser-1943-phosphospecific-antibody-mp3831



Created on 10. September 2026 | All information without guarantee