

Rabbit Myosin 13/Extraocular Myosin Polyclonal Antibody

Myosin 13/Extraocular Myosin (Hinge region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71667	Rabbit	Human, Rat, Mouse	Immunohistochemistry, ELISA, Western Blot

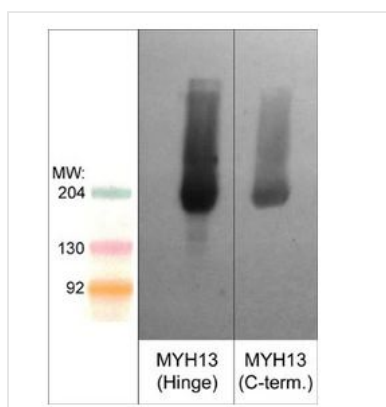
PRODUCT SYNONYMS

Myosin 13/Extraocular Myosin; Polyclonal Antibody; Myosin 13/Extraocular Myosin (Hinge region) Antibody; Myosin 13/Extraocular Myosin (Hinge region); Myosin HC13H; anti-Myosin 13/Extraocular Myosin antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was affinity purified using MYH13 (C-terminal region) peptide (without carrier). The antibody detects a 215kDa protein corresponding to the apparent molecular mass of MYH13 on SDS-PAGE immunoblots of mouse extraocular muscle, and does not detect MYHs in mouse diaphragm, gastrocnemius, or brain.
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Myosin 13/Extraocular Myosin antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the hinge region from mouse MYH13/extraocular myosin. This sequence has 100% identity with rat and human MYH13, and has low homology to other myosin family members.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



WB (Western Blot)

Western blot analysis of MYH13 in mouse extraocular muscle. The blot was probed on the left with anti-MYH13/Extraocular myosin (Hinge region) antibody (AAA71667) and on the right with anti-MYH13/Extraocular myosin (C-terminal region) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Myosin 13/Extraocular Myosin antibody	Myosin is a highly conserved, ubiquitous protein found in all eukaryotic cells, where it provides the motor function for diverse movements such as cytokinesis, phagocytosis, and muscle contraction. All myosins contain an amino-terminal motor/head domain and a carboxy-terminal tail domain. The class II myosins, consist of the conventional two-headed myosins that form filaments and are composed of two myosin heavy chain (MYH) subunits and four myosin light chain subunits. There are 15 MYH genes identified as Class II myosins and these include six skeletal muscle MYHs (MYH1, MYH2, MYH3, MYH4, MYH8, MYH13), three cardiac MYHs (MYH6, MYH7, MYH7B) and two non-muscle MYHs (MYH9, MYH10), as well as a smooth muscle MYH (MYH11).
References	Moncman, C.L. et al. (2011) Invest Ophthalmol Vis Sci. 52(7):3962. Briggs, M.M. & Schachat, F. (2002). J Exp. Biol. 205:3133. Berg, J.S. et al. (2001) Mol Biol Cell. 12:780.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	B1AR69
Molecular Weight	215kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myosin-13-extraocular-myosin-antibody-immunohistochemistry-western-blot-elisa/71667>