


Product datasheet

Anti-MYO18A antibody ab81690

[1 Image](#)

Overview

Product name	Anti-MYO18A antibody
Description	Rabbit polyclonal to MYO18A
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human Predicted to work with: Rat, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human MYO18A aa 2000 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. NP_510880.2 Database link: Q92614
Positive control	RIPA whole lysates from HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Purification notes	ab81690 was affinity purified using an epitope specific to MYO18A immobilized on solid support.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab81690 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		

Application notes

IP: Use at 2-5 µg/mg of lysate.

Is unsuitable for WB.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

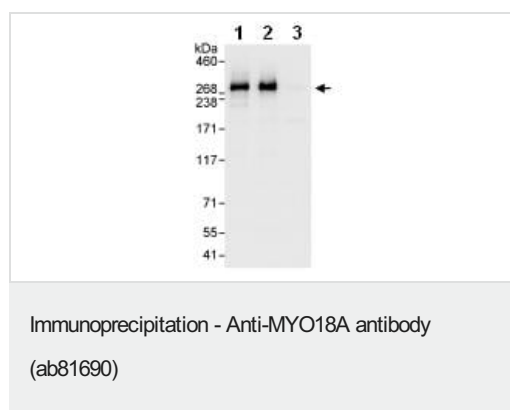
Myo18A/Myosin XVIIIa is an unconventional myosin that contains a lysine and glutamine (KE) rich domain and a PDZ domain. The KE and PDZ domains appear to direct subcellular localization of the Myo18A variants. It is a dimeric actin binding protein that may play a role in the stabilization and organization of the actin cytoskeleton. Recently a cell surface form of Myo18A has been identified as the receptor for surfactant protein A, a lipid associated lung collectin that mediates innate and adaptive immune responses in the lungs.

Cellular localization

Isoform 1: Endoplasmic reticulum Golgi intermediate compartment. Cytoplasm, cytoskeleton.

Note: Colocalizes with actin. Isoform 2: Cytoplasm. Note: Lacks the PDZ domain. Diffusely localized in the cytoplasm.

Images



Detection of human MYO18A by Western Blot of Immunoprecipitates.

Samples: RIPA whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells.

ab81690 used for IP at 3 µg/mg lysate (lane 2).

MYO18A was also immunoprecipitated by rabbit anti MYO18A (**ab81689**), which recognizes an upstream epitope (lane 1).

Lane 3 represents the control IgG.

For blotting immunoprecipitates, **ab81689** was used at 1 µg/ml.

Detection: by Chemiluminescence with an exposure time of 1 second.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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