


## Product datasheet

### Anti-Myosin IXA antibody ab241200

1 Image

#### Overview

<b>Product name</b>	Anti-Myosin IXA antibody
<b>Description</b>	Rabbit polyclonal to Myosin IXA
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Human Myosin IXA aa 2350-2400. The exact sequence is proprietary. Database link: <a href="#">B2RTY4</a>
<b>Positive control</b>	IP: HeLa cell lysate.
<b>General notes</b>	<p>ab241200 has not performed satisfactorily when used for WB of Myosin IXA in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of Myosin IXA.</p> <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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antibody was affinity purified using an epitope specific to Myosin IXA immobilized on solid support.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

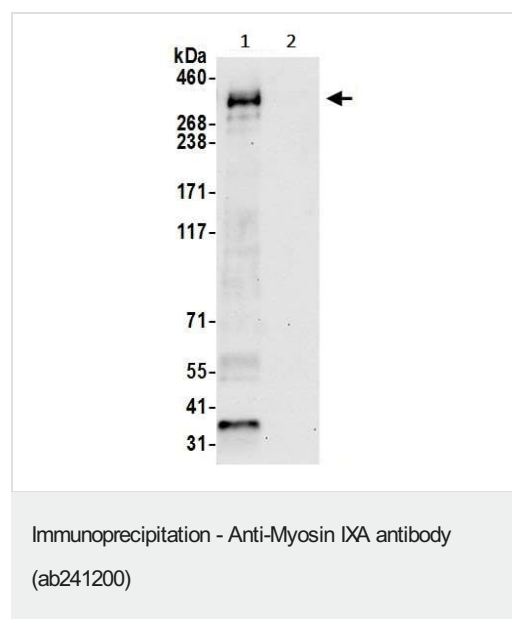
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab241200 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration. 8 - 15 µl/mg lysate

## Target

<b>Function</b>	Myosins are actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Regulates Rho activity in neurons, has a role in the regulation of neuronal morphology and function.
<b>Tissue specificity</b>	Found to be expressed in testis and placenta, and at lower levels in all the examined tissues with the exception of liver. Isoform 5 was found in leukocytes but not in brain, retina or testis.
<b>Sequence similarities</b>	Contains 5 IQ domains. Contains 2 myosin head-like domains. Contains 2 phorbol-ester/DAG-type zinc fingers. Contains 1 Ras-associating domain. Contains 1 Rho-GAP domain.
<b>Cellular localization</b>	Membrane.

## Images



Myosin IXA was immunoprecipitated from HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab241200 at 8 µl/reaction. Western blot was performed from the immunoprecipitate using ab241200 at 1/1000 dilution.

Lane 1: ab241200 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 30 seconds.

Lysates prepared in NETN buffer.

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

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