

# Anti-MYO19 Rabbit Monoclonal Antibody

Catalog # ABO16409

## Product Information

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|--------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IF, ICC                                                                                                    |
| <b>Primary Accession</b> | <a href="#">Q96H55</a>                                                                                         |
| <b>Host</b>              | Rabbit                                                                                                         |
| <b>Isotype</b>           | IgG                                                                                                            |
| <b>Reactivity</b>        | Human                                                                                                          |
| <b>Clonality</b>         | Monoclonal                                                                                                     |
| <b>Format</b>            | Liquid                                                                                                         |
| <b>Description</b>       | Anti-MYO19 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications.<br>This antibody reacts with Human. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 80179                                                                                                                                                                          |
| <b>Other Names</b>                     | Unconventional myosin-XIX, Myosin head domain-containing protein 1<br>{ECO:0000312   HGNC:HGNC:26234}, MYO19<br>{ECO:0000303   PubMed:19932026, ECO:0000312   HGNC:HGNC:26234} |
| <b>Calculated MW</b>                   | 109135                                                                                                                                                                         |
| <b>Application Details</b>             | WB 1:500-1:2000<br>ICC/IF 1:50-1:200                                                                                                                                           |
| <b>Source</b>                          | Eukaryota                                                                                                                                                                      |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                            |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 29M45<br>A synthesized peptide derived from human MYO19                                                                                                                 |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                        |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                     |

## Protein Information

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | MYO19 {ECO:0000303   PubMed:19932026,<br>ECO:0000312   HGNC:HGNC:26234}                                                                                                   |
| <b>Function</b> | Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed: <a href="#">19932026</a> , PubMed: <a href="#">23568824</a> , |

PubMed:[25447992](#)). Motor protein that moves towards the plus-end of actin filaments (By similarity). Required for mitochondrial inheritance during mitosis (PubMed:[25447992](#)). May be involved in mitochondrial transport or positioning (PubMed:[23568824](#)).

**Cellular Location**

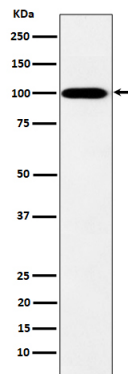
Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton

**Tissue Location**

Widely expressed in multiple tissues and cell lines.

## Images

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Western blot analysis of MYO19 expression in K562 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.