

# KD-Validated Anti-Myosin XIX Rabbit Monoclonal Antibody

Rabbit monoclonal antibody  
Catalog # AGI1406

## Product Information

|                   |                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB, FC, ICC                                                                                                                              |
| Primary Accession | <a href="#">Q96H55</a>                                                                                                                   |
| Reactivity        | Rat, Human, Mouse                                                                                                                        |
| Clonality         | Monoclonal                                                                                                                               |
| Isotype           | Rabbit IgG                                                                                                                               |
| Clone Names       | 25GB3400                                                                                                                                 |
| Calculated MW     | 109135                                                                                                                                   |
| Gene Name         | MYO19                                                                                                                                    |
| Aliases           | MYO19; Myosin XIX; MYOHD1; Myosin Head Domain-Containing Protein 1; Myosin Head Domain Containing 1; Unconventional Myosin-XIX; FLJ22865 |
| Immunogen         | A synthesized peptide derived from human MYO19                                                                                           |

## Additional Information

|             |                                                                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID     | 80179                                                                                                                                                                    |
| Other Names | Unconventional myosin-XIX, Myosin head domain-containing protein 1 {ECO:0000312   HGNC:HGNC:26234}, MYO19 {ECO:0000303   PubMed:19932026, ECO:0000312   HGNC:HGNC:26234} |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | MYO19 {ECO:0000303   PubMed:19932026, ECO:0000312   HGNC:HGNC:26234}                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function          | 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: <a href="#">25447992</a> ). Motor protein that moves towards the plus-end of actin filaments (By similarity). Required for mitochondrial inheritance during mitosis (PubMed: <a href="#">25447992</a> ). May be involved in mitochondrial transport or positioning (PubMed: <a href="#">23568824</a> ). |
| Cellular Location | Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tissue Location   | Widely expressed in multiple tissues and cell lines.                                                                                                                                                                                                                                                                                                                                                                                                                                      |