

## Mouse MIOX Monoclonal Antibody | anti-MIOX antibody

MIOX antibody

|                               |                      |                                                         |
|-------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA107060</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence</b> |
|-------------------------------|----------------------|---------------------------------------------------------|

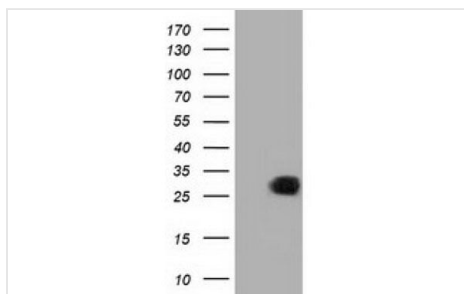
### PRODUCT SYNONYMS

MIOX; Monoclonal Antibody; MIOX antibody; Monoclonal MIOX; Anti-MIOX; Myo-inositol oxygenase; Aldehyde reductase-like 6; Kidney-specific protein 32; Renal specific oxidoreductase; anti-MIOX antibody

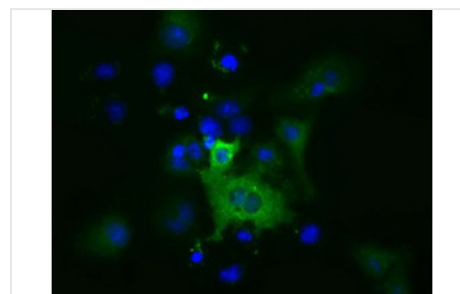
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                            |
| Clonality                                      | Monoclonal                                                                                                                                       |
| Isotype                                        | IgG1                                                                                                                                             |
| Clone Number                                   | 1A7                                                                                                                                              |
| Purity/Purification                            | MIOX antibody was purified by affinity chromatography.                                                                                           |
| Form/Format                                    | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                          |
| Concentration                                  | 500 ug-1 mg/ml (varies by lot)                                                                                                                   |
| Sequence Length                                | 285                                                                                                                                              |
| Applicable Applications for anti-MIOX antibody | WB (Western Blot), IF (Immunofluorescence)                                                                                                       |
| Biological Significance                        | MIOX is an oxidoreductase localised to the kidneys but its function is currently unknown.                                                        |
| Cross-Reactivity                               | Human                                                                                                                                            |
| Immunogen                                      | MIOX antibody was raised in mouse using a full length recombinant protein of human MIOX (NP_060054) produced in HEK293T cells, as the immunogen. |
| Preparation and Storage                        | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.          |

### IMAGES


**WB (Western Blot)**

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MIOX protein (Right) or empty vector (Left) detected with MIOX antibody


**IF (Immunofluorescence)**

Immunofluorescent staining of COS7 cells transiently transfected with recombinant MIOX protein using MIOX antibody

ADDITIONAL INFORMATION

|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| Related Product Information for anti-MIOX antibody | Mouse monoclonal MIOX antibody   |
| Product Categories/Family for anti-MIOX antibody   | Proteases; Inhibitors; & Enzymes |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 33667030                               |
| NCBI GeneID                      | 55586                                  |
| NCBI Accession #                 | NP_060054                              |
| NCBI GenBank Nucleotide #        | NM_017584.5                            |
| UniProt Accession #              | Q9UGB7; Q05DJ6; Q5S8C9; Q9BZZ1; Q9UHB8 |
| Molecular Weight                 | 24,516 Da                              |
| NCBI Official Full Name          | inositol oxygenase                     |
| NCBI Official Synonym Full Names | myo-inositol oxygenase                 |
| NCBI Official Symbol             | MIOX                                   |
| NCBI Official Synonym Symbols    | ALDRL6                                 |
| NCBI Protein Information         | inositol oxygenase                     |
| UniProt Protein Name             | Inositol oxygenase                     |
| UniProt Gene Name                | MIOX                                   |
| UniProt Synonym Gene Names       | ALDRL6; KSP32; RSOR; MI oxygenase      |
| UniProt Entry Name               | MIOX_HUMAN                             |

**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://www.aaabiotech.com/monoclonal/miox-antibody-clone-1a7-western-blot-immunofluorescence-elisa/107060>