

## Rabbit anti-Human, Mouse MIOS Polyclonal Antibody | anti-MIOS antibody

Rabbit anti-MIOS Antibody, Affinity Purified

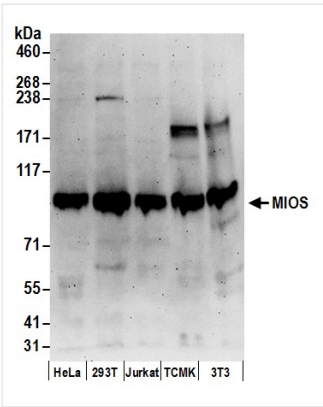
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA212870 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

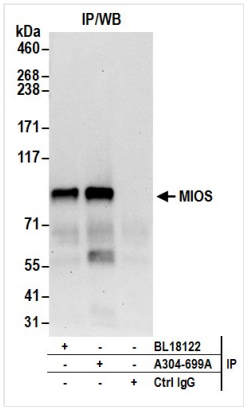
MIOS; Polyclonal Antibody; Rabbit anti-MIOS Antibody; Affinity Purified; missing oocyte; meiosis regulator; homolog; Sea4; Yulink; WUGSC:H\_DJ1159O04.1; Missing oocyte meiosis regulator homolog; GATOR complex protein MIOS; MIO; H\_DJ1159O04.1; WD repeat-containing protein mio; meiosis regulator for oocyte development; anti-MIOS antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse                                                                              |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-MIOS antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Predicted Reactivity                           | Orangutan                                                                                 |
| Immunogen                                      | Between 825 and C-terminus                                                                |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



**WB (Western Blot)**  
Detection of human and mouse MIOS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MIOS antibody AAA212870 (lot AAA212870-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



**IP (Immunoprecipitation)**  
Detection of human MIOS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MIOS antibody AAA212870 (lot AAA212870-1) used for IP at 6 ug per reaction. MIOS was also immunoprecipitated by rabbit anti-MIOS antibody BL18122. For blotting immunoprecipitated MIOS, AAA212870 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MIOS antibody | MIOS is a component of the GATOR2 complex. It inhibits GATOR1 complex, an inhibitor of the amino acid-sensing branch of the TORC1 pathway [taken from the Universal Protein Resource (UniProt) <a href="http://www.uniprot.org/uniprot/Q9NXC5">www.uniprot.org/uniprot/Q9NXC5</a> ]. |
| Product Categories/Family for anti-MIOS antibody   | Primary Antibodies                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 109150419                                                            |
| NCBI GeneID                      | 54468                                                                |
| NCBI Accession #                 | NP_061878.3                                                          |
| NCBI GenBank Nucleotide #        | NM_019005.3                                                          |
| UniProt Accession #              | Q9NXC5; O75216; Q7L551; Q9H092; B2RTV6                               |
| Molecular Weight                 | 98,584 Da                                                            |
| NCBI Official Full Name          | WD repeat-containing protein mio                                     |
| NCBI Official Synonym Full Names | missing oocyte, meiosis regulator, homolog (Drosophila)              |
| NCBI Official Symbol             | MIOS                                                                 |
| NCBI Protein Information         | WD repeat-containing protein mio; H_DJ1159O04.1; WUGSC:H_DJ1159O04.1 |
| UniProt Protein Name             | WD repeat-containing protein mio                                     |
| UniProt Gene Name                | MIOS                                                                 |
| UniProt Entry Name               | MIO_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.