OPHN1 Antibody (monoclonal) (M03)  
Mouse monoclonal antibody raised against a partial recombinant OPHN1.  
Catalog # AT3150a

**Specification**

<table>
<thead>
<tr>
<th>Application</th>
<th>WB, E</th>
</tr>
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<tbody>
<tr>
<td>Primary Accession</td>
<td>O60890</td>
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<td>Other Accession</td>
<td>NM_002547</td>
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<td>Reactivity</td>
<td>Human</td>
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<td>Host</td>
<td>Mouse</td>
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<tr>
<td>Clonality</td>
<td>Monoclonal</td>
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<tr>
<td>Isotype</td>
<td>IgG2a Kappa</td>
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<tr>
<td>Calculated MW</td>
<td>91641</td>
</tr>
</tbody>
</table>

**OPHN1 Antibody (monoclonal) (M03) - Additional Information**

**Gene ID** 4983

**Other Names**  
Oligophrenin-1, OPHN1

**Target/Specificity**  
OPHN1 (NP_002538, 641 a.a. – 734 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**  
WB: 1:500–1000

**Format**  
Clear, colorless solution in phosphate buffered saline, pH 7.2.

**Storage**  
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**  
OPHN1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

**OPHN1 Antibody (monoclonal) (M03) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

**OPHN1 Antibody (monoclonal) (M03) - Background**

This gene encodes a Rho-GTPase-activating protein that promotes GTP hydrolysis of Rho subfamily members. Rho proteins are important mediators of intracellular signal transduction, which affects cell migration and cell morphogenesis. Mutations in this gene are responsible for OPHN1-related X-linked mental retardation with cerebellar hypoplasia and distinctive facial dysmorphism.

**OPHN1 Antibody (monoclonal) (M03) - References**

Systematic resequencing of X-chromosome