**Ab-A4.1025**

<table>
<thead>
<tr>
<th>Antibody Name:</th>
<th>Ab-A4.1025 from the ZFIN antibody database.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other names, clone ids, catalog ids etc.</td>
<td>05-716 , A4.1025 , anti-myosin , anti-sarcomeric MyHC , MyHC antibody , A4.1025</td>
</tr>
<tr>
<td>Antibody Registry ID.</td>
<td>AB_528356</td>
</tr>
<tr>
<td>Does it work on zebrafish?</td>
<td>yes</td>
</tr>
<tr>
<td>Host organism</td>
<td>Mouse</td>
</tr>
<tr>
<td>Immunogen organism</td>
<td>Human</td>
</tr>
<tr>
<td>Antibody isotype</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Antibody type</td>
<td>monoclonal</td>
</tr>
</tbody>
</table>

**Anatomical structures recognized (use terms from the ZFIN Anatomical Ontology):**
- adaxial cell
- adductor mandibulae
- adductor operculi
- atrium
- cardiac ventricle
- cephalic musculature
- dilatator operculi
- epaxial myotome region
- ext raocular musculature
- fast muscle cell
- fast muscle cell myofibril
- fin muscle
- fin musculature muscle
- head muscle
- heart
- heart rudiment
- heart tube
- hyohyoideus
- hypaxial myotome region
- interhyoideus
- levator arcus palatini
- muscle
- muscle cell
- myotome fast muscle cell
- myotome muscle myosin complex
- myotome skeletal muscle cell
- myotome slow muscle cell
- pectoral fin musculature
- pelvic fin bud muscle cell
- pelvic fin field muscle cell
- pharyngeal musculature
- skeletal muscle
- skeletal muscle myosin complex
- skeletal muscle cell sarcomere
- slow muscle cell
- somite
- somite nucleus
- somite border
- sternohyoid
- trunk musculature
- ventral intermandibularis anterior
- ventral intermandibularis posterior

**Recognized target molecules (gene names, domains, epitopes ...):**

**Suppliers:** Developmental Studies Hybridoma Bank, Millipore

### Assays Tested

<table>
<thead>
<tr>
<th>Assay</th>
<th>Prep</th>
<th>Worked</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>immunohistochemistry</td>
<td>yes</td>
<td></td>
<td>from ZFIN curation</td>
</tr>
</tbody>
</table>

**Notes**

- Imported from ZFIN Antibody page [Ab-A4.1025](#)
- Labels both fast and slow sarcomeric MyHCs in an evolutionarily-conserved epitope in the myosin head domain near to the ATP binding site, as shown by Dan-Goor et al. J Muscle Res Cell Motil. 1990 Jun;11(3):216-26.. PMID: 1698201 ([ZFIN Staff](#))
- Citations for Ab-A4.1025 at ZFIN