### Ab-A4.1025

**Antibody Name:** Ab-A4.1025 from the ZFIN antibody database.

**Other names, clone ids, catalog ids etc.:**
05-716, A4.1025, anti-myosin, anti-sarcomeric MyHC, MyHC antibody, A4.1025

**Antibody Registry ID:** AB_528356

**Does it work on zebrafish?**
Yes

**Host organism**
Mouse

**Immunogen organism**
Human

**Antibody isotype**
IgG2a

**Antibody type**
Monoclonal

**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 tube
- hyohyoideus
- hypaxial myotome region
- interhyoideus
- levator arcus palatini
- muscle
- muscle cell
- myofibril
- fin
- muscle
- fin muscle
- muscle field
- muscle cell
- pharyngeal muscle
- somite
- 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

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<th>Assay</th>
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<tr>
<td>Immunohistochemistry</td>
<td></td>
<td>Yes</td>
<td>from ZFIN curation</td>
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### 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