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## Product Datasheet

### **ACTA2 Antibody Cocktail / Alpha Actin, Clone: [1A4 + ACTA2/791], Unconjugated, Mouse, Monoclonal BYT-ORB749772**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | ACTA2 Antibody Cocktail / Alpha Actin, Clone: [1A4 + ACTA2/791],<br>Unconjugated, Mouse, Monoclonal                                                                                                                                                           |
| Biozol Catalog Number      | BYT-ORB749772                                                                                                                                                                                                                                                 |
| Supplier Catalog Number    | orb749772                                                                                                                                                                                                                                                     |
| Alternative Catalog Number | BYT-ORB749772-20,BYT-ORB749772-100                                                                                                                                                                                                                            |
| Manufacturer               | Biorbyt                                                                                                                                                                                                                                                       |
| Host                       | Mouse                                                                                                                                                                                                                                                         |
| Category                   | Antikörper                                                                                                                                                                                                                                                    |
| Application                | IF, IHC-P                                                                                                                                                                                                                                                     |
| Species Reactivity         | Human, Rat                                                                                                                                                                                                                                                    |
| Immunogen                  | An N-terminal decapeptide of the alpha smooth muscle isoform of Actin (1A4) and recombinant full-length human protein (ACTA2/791) were used as the immunogen for the ACTA2 antibody cocktail.                                                                 |
| Conjugation                | Unconjugated                                                                                                                                                                                                                                                  |
| Product Description        | Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. This mAb does not stain cardiac or skeletal muscle, however, it does stain myofibroblasts and myoepithelial cells. T... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                    |
| Clone Designation          | [1A4 + ACTA2/791]                                                                                                                                                                                                                                             |

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| UniProt            | <a href="#">P62736</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer             | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Application Dilute | Immunofluorescence: 1-2ug/ml,Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes  | <p>Application Notes: Optimal dilution of the ACTA2 antibody cocktail should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min</p> |