# Product Datasheet

## Actin (Muscle Specific) Antibody (HHF35) [Allophycocyanin/Cy7]

## NBP2-34634APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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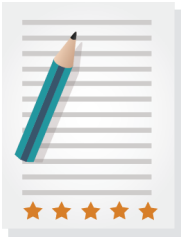

# NBP2-34634APCCY7

Actin (Muscle Specific) Antibody (HHF35) [Allophycocyanin/Cy7]

| Product Information | |
|---|---|
| **Unit Size** | 0.1 ml |
| **Concentration** | Please see the vial label for concentration. If unlisted please contact technical services. |
| **Storage** | Store at 4C in the dark. Do not freeze. |
| **Clonality** | Monoclonal |
| **Clone** | HHF35 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG1 Kappa |
| **Conjugate** | Allophycocyanin/Cy7 |
| **Purity** | Protein A or G purified |
| **Buffer** | PBS |

| Product Description | |
|---|---|
| **Host** | Mouse |
| **Gene ID** | 58 |
| **Gene Symbol** | ACTA1 |
| **Species** | Human, Mouse, Rat, Canine, Chicken, Feline, Rabbit |
| **Marker** | Muscle Cell Marker |
| **Specificity/Sensitivity** | This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium. Actin can be resolved on the basis of its isoelectric points into three distinctive components: alpha, beta, and gamma in order of increasing isoelectric point. Anti-muscle specific actin recognizes alpha and gamma isotypes of all muscle groups. Non-muscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of non-muscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative. It stains tumors of smooth muscle (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas). |
| **Immunogen** | SDS extract of human myocardium. |

| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Recommended Dilutions** | Western Blot, Simple Western, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Application Notes** | Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at technical@novusbio.com if you have any questions. |

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## Products Related to NBP2-34634APCCY7

| | |
|---|---|
| 664-LI-025 | LIGHT/TNFSF14 [Unconjugated] |
| NB300-223 | Vimentin Antibody |
| NB100-56503 | Cytochrome c Antibody (7H8.2C12) - BSA Free |
| MAB1455 | Albumin Antibody (188835) [Unconjugated] - Serum |

**Limitations**
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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