# Product Datasheet

## Desmin Antibody (DES/1711) [Janelia Fluor® 669] NBP2-54503JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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# NBP2-54503JF669

Desmin Antibody (DES/1711) [Janelia Fluor® 669]

## 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. |
| **Clonality** | Monoclonal |
| **Clone** | DES/1711 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG1 Kappa |
| **Conjugate** | Janelia Fluor 669 |
| **Purity** | Protein A or G purified |
| **Buffer** | 50mM Sodium Borate |

## Product Description

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|---|---|
| **Host** | Mouse |
| **Gene ID** | 1674 |
| **Gene Symbol** | DES |
| **Species** | Human, Mouse, Rat, Chicken, Hamster |
| **Reactivity Notes** | Use in Rat reported in scientific literature (PMID:34276989) |
| **Marker** | Muscle Cell Marker |
| **Specificity/Sensitivity** | Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. IFs are constructed from two-chain -helical coiled-coil molecules arranged on an imperfect helical lattice, and have been widely used as markers for distinguishing individual cell types within a tissue and identifying the origins of metastatic tumors. Vimentin is an IF general marker of cells originating in the mesenchyme. Vimentin and Desmin, a related class III IF, are both expressed during skeletal muscle development. Desmin, a 469 amino acid protein found near the Z line in sarcomeres, is expressed more frequently in adult differentiated state tissues. Anti-desmin detects cells of normal smooth, skeletal, and cardiac muscles. Antibody reacts with leiomyomas, leiomyosarcoma, rhabdomyomas, rhabdomyosarcoma, and perivascular cells of glomus tumors of the skin. |
| **Immunogen** | Recombinant human desmin protein (Uniprot: P17661) |
| **Notes** | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |

## Product Application Details

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|---|---|
| **Applications** | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Recommended Dilutions** | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready |
| **Application Notes** | Optimal dilution of this antibody should be experimentally determined. |

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## Products Related to NBP2-54503JF669

| | |
|---|---|
| H00001674-Q01-10ug | Recombinant Human Desmin GST (N-Term) Protein |
| 291-G1-200 | IGF-I/IGF-1 [Unconjugated] |
| NBL1-09840 | Desmin Overexpression Lysate |
| MAB4470 | Myosin Heavy Chain Antibody (MF20) [Unconjugated] |

## 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.

**For more information on our 100% guarantee, please visit www.novusbio.com/guarantee**

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