

## Anti-Desmin Antibody [rDES/1711] - BSA and Azide free (A278471)

### Specifications:

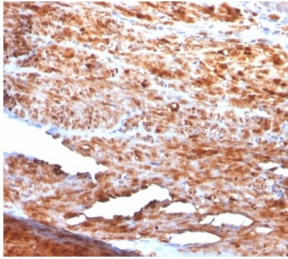
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|------------------------|--|
| Name:                  | Anti-Desmin Antibody [rDES/1711] - BSA and Azide free  |
| Description:           | Recombinant mouse monoclonal [rDES/1711] antibody to Desmin.   |
| Specificity:           | Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. IFs are constructed from two-chain $\alpha$ -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. |
| Applications:          | IHC-P  |
| Recommended Dilutions: | IHC-P: 1-2 $\mu$ g/ml  |
| Reactivity:            | Human, Mouse, Rat, Hamster, Chicken  |
| Immunogen:             | Recombinant full-length human Desmin protein.  |
| Host:                  | Mouse  |
| Clonality:             | Monoclonal   |
| Clone ID:              | rDES/1711  |
| Isotype:               | IgG1   |
| Light Chains:          | kappa  |
| Conjugate:             | Unconjugated   |
| Purification:          | Protein A/G chromatography.  |
| Concentration:         | 1 mg/ml  |
| Product Form:          | Liquid   |
| Formulation:           | Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.   |
| Storage:               | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| General Notes:         | This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Desmin Antibody [rDES/1711] (A277883).  |

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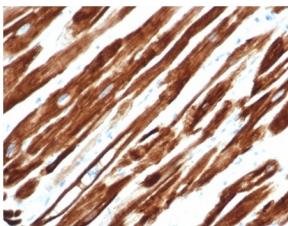
## Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

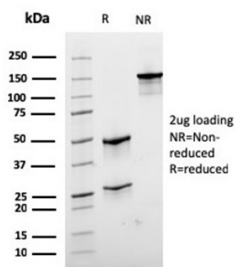
## Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human uterus using Anti-Desmin Antibody [rDES/1711] at 2µg/ml in PBS for 30 minutes at room temperature.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human uterus tissue using Anti-Desmin Antibody [rDES/1711].



SDS-PAGE analysis of Anti-Desmin Antibody [rDES/1711] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.