

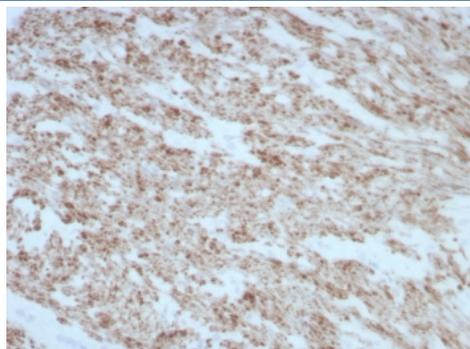
DES Antibody / Desmin [clone rDES/8846] (V4948)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V4948-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4948-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4948SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant **MOUSE MONOCLONAL**

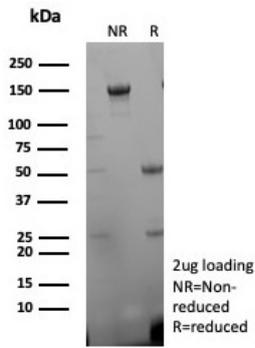
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| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rDES/8846 |
| Purity | Protein A/G affinity |
| UniProt | P17661 |
| Localization | Cytoplasm |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations | This DES antibody is available for research use only. |



IHC staining of FFPE human smooth muscle tissue with DES antibody (clone rDES/8846).
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

SDS-PAGE analysis of purified, BSA-free DES antibody (clone rDES/8846) as confirmation of integrity and purity.



Description

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.

Application Notes

Optimal dilution of the DES antibody should be determined by the researcher.

Immunogen

Recombinant full-length human desmin protein was used as the immunogen for the DES antibody.

Storage

Aliquot the DES antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.