

Product Datasheet

Desmin Antibody (DES/1711) - Azide and BSA Free NBP2-54503-100ug

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-54503-100ug

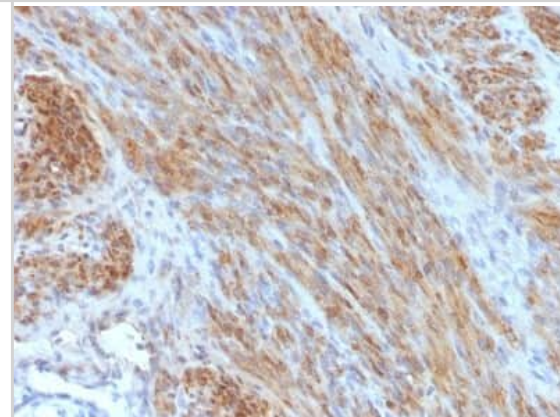
Desmin Antibody (DES/1711) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	DES/1711
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	52 kDa
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53383). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
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)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-ready
Application Notes	Use in Flow Cytometry reported in scientific literature (PMID:34276989).



Images

Immunohistochemistry-Paraffin: Desmin Antibody (DES/1711) [NBP2-54503] - Formalin-fixed, paraffin-embedded human Uterus stained with Desmin Monoclonal Antibody (DES/1711)



Publications

Dubner AM, Lu S, Jolly AJ et al. Smooth muscle-derived adventitial progenitor cells promote key cell type transitions controlling plaque stability in atherosclerosis in a Klf4-dependent manner bioRxiv 2023-07-23 [PMID: 37503181] (Flow Cytometry, Mouse)

Piera L, Szymanski J, Juszczak M et al. Histamine is involved in the regulation of collagen content in cultured heart myofibroblasts via H(2), H(3) and H(4) histamine receptors Biomed Rep 2021-08-01 [PMID: 34276989] (FLOW)

Details:

Citation using the Azide and BSA Free format of this antibody.

Rajani SF, Faghihi M, Imani Post-infarct morphine treatment reduces apoptosis and myofibroblast density in a rat model of cardiac ischemia-reperfusion Eur J Pharmacol 2020-09-25 [PMID: 32976827] (FLOW, FLOW, Rat)

Details:

Citation using the Azide and BSA Free version of this antibody.



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Products Related to NBP2-54503-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00001674-Q01-10ug	Recombinant Human Desmin GST (N-Term) Protein

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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