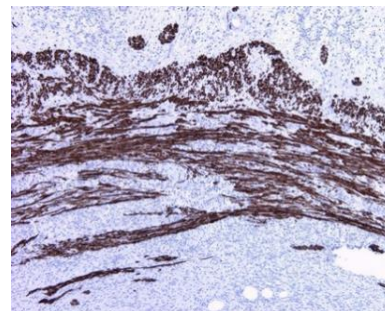


Anti-Desmin, mouse monoclonal (BS21)

BSH-7082-100 (0.1ml), BSH-7082-1 (1 ml)



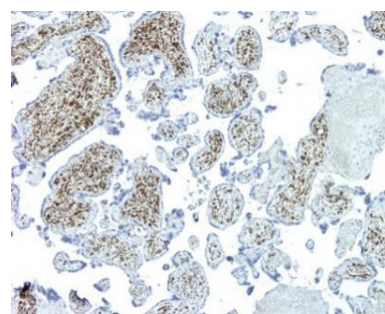
Clonality:	Mouse monoclonal antibody
Clone:	BS21
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Appendix, placenta
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C



Appendix section has been stained using Desmin optibody (Clone: BS21) with 1:200 dilution. Muscularis propria of appendix stained strongly.

Description

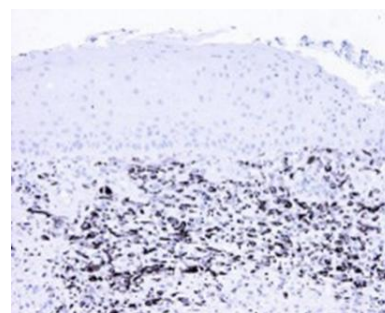
Desmin (DES), a 470-amino acid protein (about 52kDa), belongs to the intermediate filament family and is a class III intermediate filament found in muscle cells. Homopolymers of Desmin form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in Desmin are associated with desmin-related myopathy, a familial cardiac and skeletal myopathy (CSM), and with distal myopathies. Desmin is also expressed in smooth muscle cells of both airways and alveolar ducts. Desmin is a load-bearing protein that stiffens the airways and consequently the lung and modulates airway contractile response. Desmin is especially useful for identification of leiomyosarcoma, rhabdomyosarcoma and other myogenic and mesenchymal neoplasms.



Placenta section has been stained using Desmin optibody (Clone: BS21) with 1:200 dilution. Smooth muscle cells have strong label.

Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H₂O₂ (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip



Rhabdomyosarcoma section has been stained using Desmin optibody (Clone: BS21) with 1:200 dilution. Neoplastic cells have strong label.

Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.