

Anti-Vimentin, mouse monoclonal (BS13)

BSH-7100-100 (0,1ml), BSH-7100-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS13
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Appendix, tonsil
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C



Description

Vimentin is the major subunit protein of the intermediate filaments of mesenchymal cells. It is believed to be involved with the intracellular transport of proteins between the nucleus and plasma membrane. Vimentin has been implicated to be involved in the rate of steroid synthesis via its role as a storage network for steroidogenic cholesterol containing lipid droplets. Immunohistochemical staining for Vimentin is characteristic of sarcomas (of neural, muscle and fibroblast origin) compared to carcinomas which are generally negative. Melanomas, lymphomas and vascular tumors may all stain for Vimentin. Vimentin antibodies are thus of value in the differential diagnosis of undifferentiated neoplasms and malignant tumors. They are generally used with a panel of other antibodies including those recognising cytokeratins, lymphoid markers, S100, desmin and neurofilaments.

Protocol

After paraffin removing and rehydration:

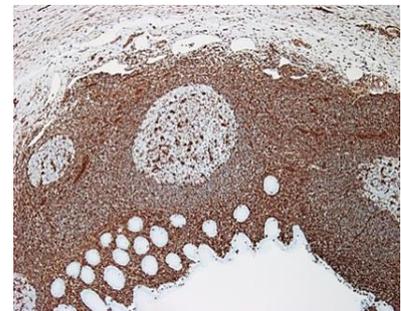
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: Vimentin 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

Counter staining, Bluing, dehydration, clearing, and mounting.

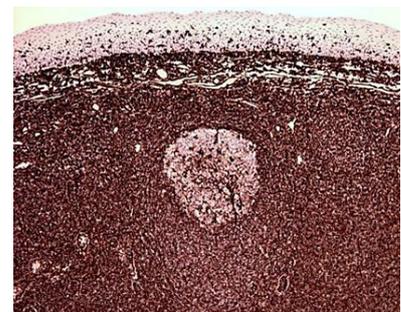
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Appendix section has been stained using Vimentin optibody (Clone: BS13) with 1:200 dilution. Cells of the mesenchymal origin stained intensively.



Appendix section has been stained using Vimentin optibody (Clone: BS13) with 1:200 dilution. Cells of the mesenchymal origin stained intensively.



Tonsil section has been stained using Vimentin optibody (Clone: BS13) with 1:200 dilution. Cells of the mesenchymal origin stained intensively.