

## Anti-Vimentin, mouse monoclonal (BS13)

BSH-7100-100 (0.1 ml), BSH-7100-1 (1 ml)



<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS13
<b>Application:</b>	IHC-P (1:100 – 1:400), IHC-Fro
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, tonsil
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7.2
<b>Storage:</b>	Store at 4°C

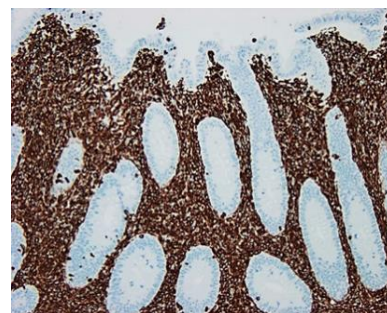
### Description

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.

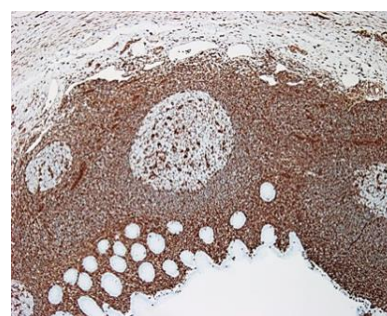
### Protocol

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. H<sub>2</sub>O<sub>2</sub> (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

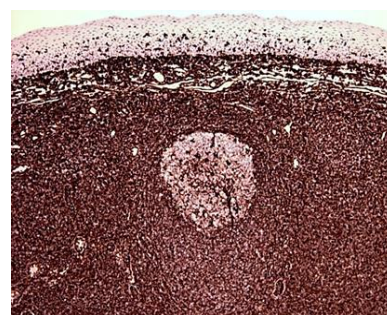
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



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.