Anti-L1CAM, rabbit monoclonal (BSR3)

BSH-3005-100 (0.1 ml), BSH-3005-1 (1 ml)

Clonality:	Rabbit monoclonal antibody
Clone:	BSR3
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Appendix, tonsil
Alias names:	L1 cell adhesion molecule protein
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

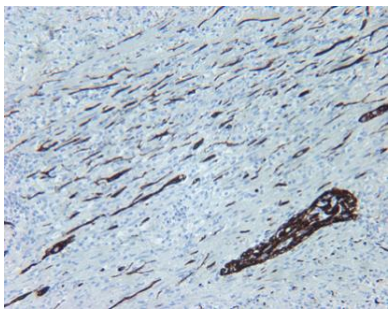
Description

Cell adhesion molecule with an important role in the development of the nervous system. The L1, neural cell adhesion molecule (L1CAM) plays an important role in axon growth, fasciculation, neural migration and in mediating neuronal differentiation. L1 protein is expressed to tissues arising from neuroectoderm. L1CAM also play an important role in the malignancy of human tumors and according to several studies, L1CAM positive carcinomas have worse prognosis. L1CAM is overexpressed in many human carcinomas, but it is useful especially in endometrium carcinoma diagnostic.

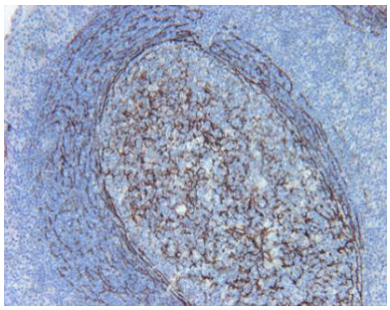
Protocol

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_2O_2 (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

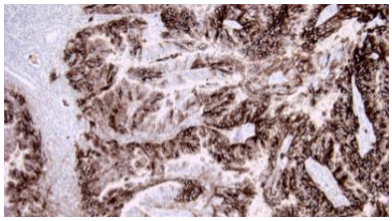
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Appendix section has been stained using L1CAM optibody (Clone: BSR3) with 1:200 dilution. Ganglion cells of nerve plexuses and axons of muscular propria have strong label.membranous staining pattern.



Tonsil section has been stained using L1CAM optibody (Clone: BSR3) with 1:200 dilution. Germinal center of tonsil have moderate to strong label and mantle cell zone exhibits weak staining.



December 2023