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Anti-LI-Cadherin, mouse monoclonal (BS26)

BSH-3016-100 (0,1ml), BSH-3016-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS26
Application:	IHC-P
Species Reactivity:	Human
Control tissues:	Appendix, colon
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

Description

LI-Cadherin (Cadherin-17, CDH17), is a liver-intestinal cadherin and it belongs to the cadherin superfamily. The structure and cellular locations of LI-Cadherin differs from other cadherins such as: E-CAD, N-CAD, and P-CAD. In healthy individuals, LI-Cadherin is only expressed in the epithelium of the appendix, colon, and intestine. LI-Cadherin is also expressed in colorectal carcinomas and in some gastric and pancreatic adenocarcinomas.

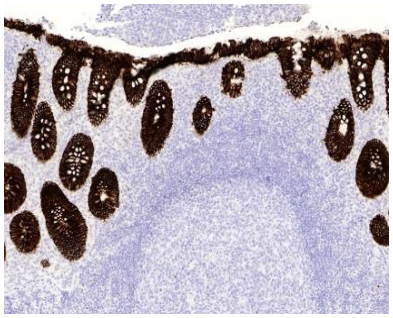
Protocol

After paraffin removing and rehydration:

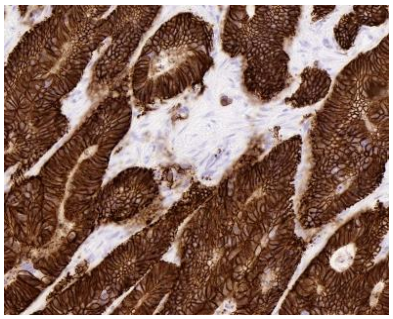
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: LI-cadherin 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H_2O_2), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. $CuSO_4$ -post enhancement, 5 min
12. Aqua

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

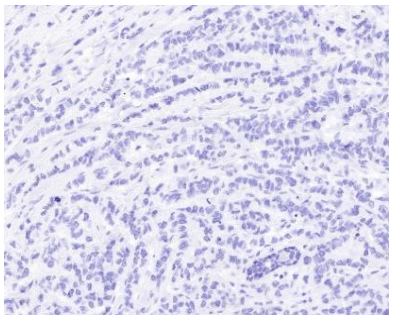
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



a)



b)



c)

LI-Cadherin stained tissue sections. Appendix (a), colon carcinoma (b), and ductal breast cardinoma (c) were stained using LI-Cadherin optibody (Clone: BS26) with a 1:200 dilution. Columnar epithelial cells of appendix and colon carcinoma exhibit a strong membranous staining pattern (a and b). No staining observed in ductal breast carcinoma (c).