

Anti-Cytokeratin 20, mouse monoclonal (BS101)

BSH-2000-100 (0.1 ml), BSH-2000-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS101
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human
Control tissues:	Appendix, colon
Alias names:	KRT20, CK20, K20, Keratin20
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

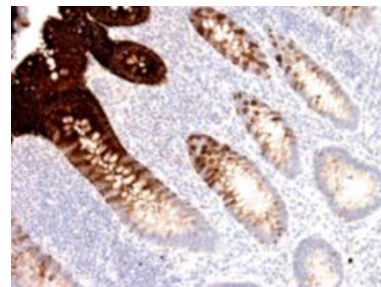
Description

Cytokeratin 20 (CK20) is expressed in enterocytes and goblet cells of the gastrointestinal (GI) tract. It is also expressed in specific types of simple epithelial cells of the urinary tract. CK20 is useful marker of colorectal carcinoma, gastric, pancreas, urothelium, merkel and biliary system carcinomas.

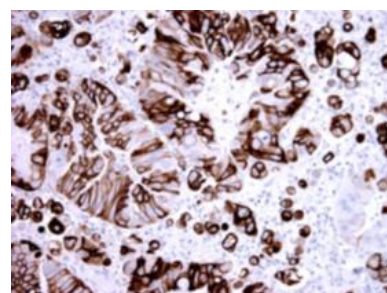
Protocol

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

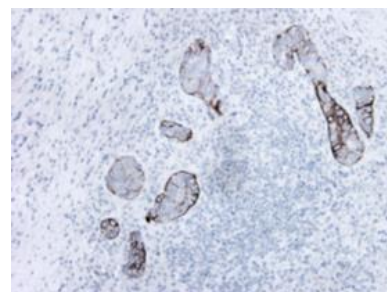
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Appendix section has been stained using CK20 optibody (Clone: BS101) with 1:250 dilution. Columnar epithelia of appendix is strongly stained without any background.



Urinary bladder carcinoma section has been stained using CK20 optibody (Clone: BS101) with 1:250 dilution. Urinary bladder carcinoma cells have strong and intensive signal.



Lymphnode section with metastasis of colon carcinoma has been stained using CK20 optibody (Clone: BS101) with 1:250 dilution. Neoplastic cells have moderate to strong CK20 positivity.