

## Anti-Cytokeratin 20, rabbit monoclonal (BSR11)

BSH-5110-100 (0,1ml), BSH-5110-1 (1 ml)



<b>Clonality:</b>	Rabbit monoclonal antibody
<b>Clone:</b>	BSR11
<b>Application:</b>	IHC
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, colon
<b>Alias names:</b>	KRT20, CK20, K20, Keratin20
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	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.

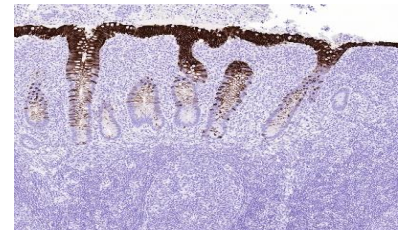
### Protocol

After paraffin removing and rehydration:

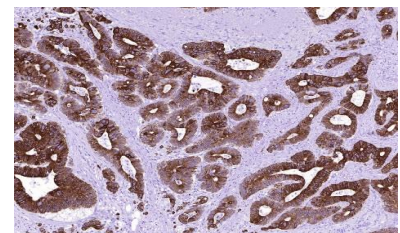
1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: Cytokeratin 20 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H<sub>2</sub>O<sub>2</sub>), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate,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

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

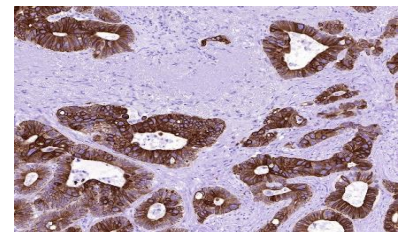
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



a)



b)



c)

**CK20 stained tissue sections.** Appendix (a) and colon carcinoma sections (b, c) have been stained using CK20 antibody (Clone: BSR11) with 1:200 dilution. Columnar epithelia of appendix have strong cytoplasmic label (a). Colon carcinoma cells have strong and intensive label (b,c).