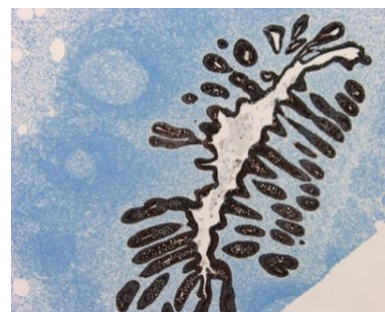


## Anti-Cytokeratin 18 (CK-LMW), mouse monoclonal (BS83)



BSH-7235-100 (0,1ml), BSH-7235-1 (1 ml)

<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS83
<b>Application:</b>	IHC-P (1:100 – 1:400)
<b>Species Reactivity:</b>	Human, rabbit, pig, sheep, dog
<b>Control tissues:</b>	Liver, appendix
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7,2
<b>Storage:</b>	Store at 4°C



Appendix section has been stained using CK18 antibody (Clone: BS83) with 1:250 dilution. Columnar epithelium of appendix is strongly stained.

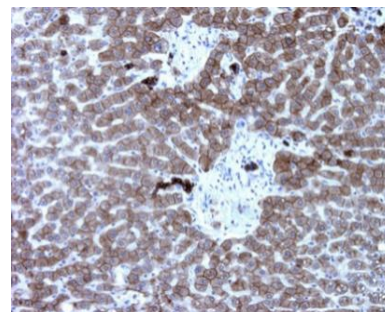
### Description

Cytokeratin 18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene.

### Protocol

After paraffin removing and rehydration:

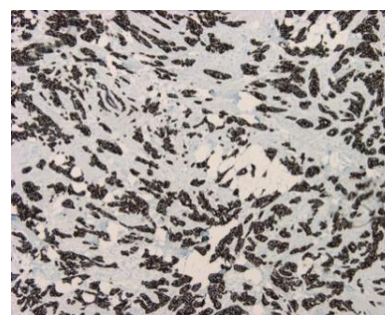
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: CK18:100 – 1:400, 30 min.
4. Wash
5. 3% H<sub>2</sub>O<sub>2</sub>, 10 min.\*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO<sub>4</sub> -post enhancement, 5 min
13. Aqua
14. Counter staining in diluted Mayer, 1 min
15. Bluing, 7 min in tap water
16. Dehydration, clearing and mounting



Liver section has been stained using CK18 antibody (Clone: BS83) with 1:250 dilution. Hepatocytes and bile ducts have moderate and strong label.

Dilution of this concentrated antibody depends on the detection system used and the final working dilution need to always be determined by the user.

\* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



Ductal breast adenocarcinoma section has been stained using CK18 antibody (Clone: BS83) with 1:250 dilution. Carcinoma cells have stained strongly.