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

BSH-7235-100 (0.1 ml), BSH-7235-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS83
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human
Control tissues:	Liver, appendix
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

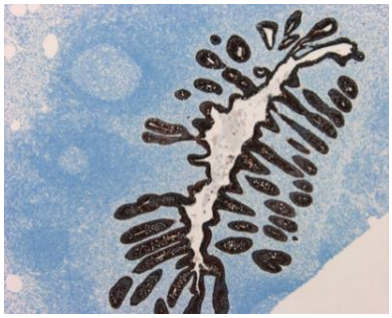
Description

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.

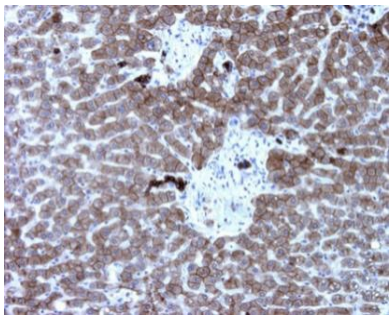
Protocol

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

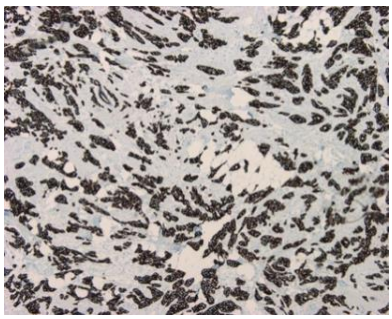
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



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



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



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