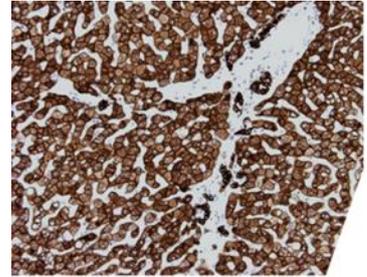


## Anti-Cytokeratin pan, mouse monoclonal (BS5)



BSH-7124-100 (0.1 ml), BSH-7124-1 (1 ml)

<b>Clonality:</b>	Mouse monoclonal antibody
<b>Clone:</b>	BS5
<b>Application:</b>	IHC-P (1:100 – 1:400), IHC-fro
<b>Species Reactivity:</b>	Human
<b>Control tissues:</b>	Appendix, liver
<b>Alias names:</b>	CK pan, Cytokeratin
<b>Buffer:</b>	TRIS with 0.03% sodium azide, pH 7.2
<b>Storage:</b>	Store at 4°C



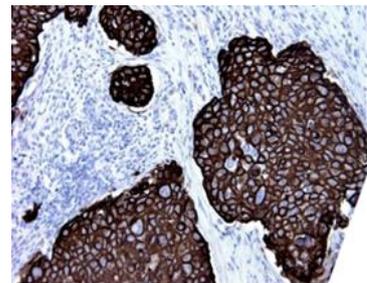
Liver section has been stained using CKpan optibody (Clone: BS5) with 1:200 dilution. Hepatocytes have membranous staining pattern with moderate label. Bile ducts have strong label.

### Description

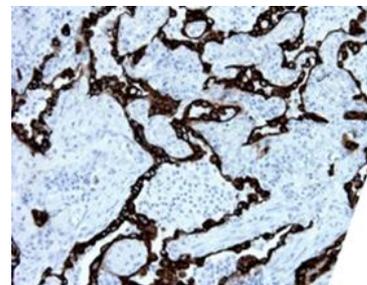
Cytokeratins are classified into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant 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. H<sub>2</sub>O<sub>2</sub> (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



Ductal breast adenocarcinoma section has been stained using CKpan optibody (Clone: BS5) with 1:200 dilution. CK pan stains carcinoma cells intensively.



Lung adenocarcinoma section has been stained using CKpan optibody (Clone: BS5) with 1:200 dilution. CKpan stains neoplastic cells strongly.

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.