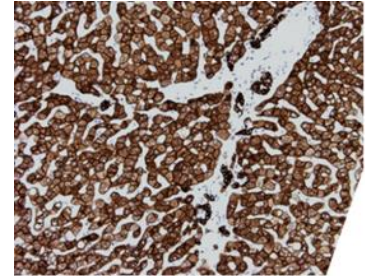


Anti-Cytokeratin pan, mouse monoclonal (BS5)

BSH-7124-100 (0,1ml), BSH-7124-1 (1 ml)



Clonality:	Mouse monoclonal antibody
Clone:	BS5
Application:	IHC-P (1:100 – 1:400), IHC-fro
Species Reactivity:	Human
Control tissues:	Appendix, liver
Alias names:	CK pan, Cytokeratin
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	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

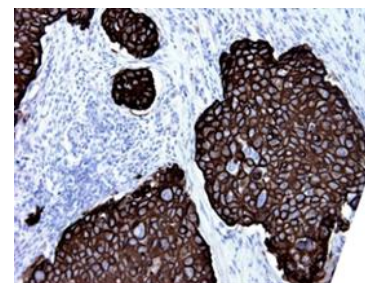
Cytokeratins are classified into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found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

Protocol

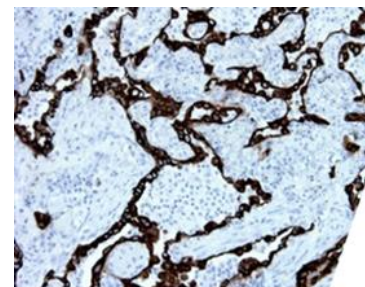
After paraffin removing and rehydration:

1. Pre-treatment: PT-module HIER pH9 (20min at 98°C)
2. Wash (TBS-Tween in all washing steps)
3. Primary antibody: Cytokeratin pan 1:100 – 1:400, 30 min.
4. Wash
5. Peroxidase blocking (3% H₂O₂), 10 min.
6. Wash
7. One step HRP-polymer detection, 30 min
8. Wash x2
9. DAB-Substrate, 10 min
10. Aqua
11. CuSO₄ -post enhancement, 5 min
12. Aqua

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



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.