

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, sheep, pig, dog, mouse
Control tissues:	Appendix, liver
Alias names:	CKpan, Cytokeratin
Buffer:	TRIS with 0.03% sodium azide, pH 7,2
Storage:	Store at 4°C

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.

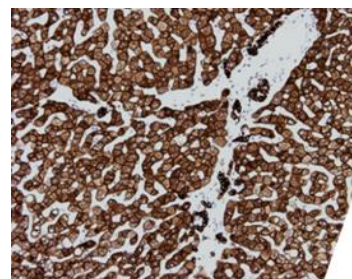
Protocol

After paraffin removing and rehydration:

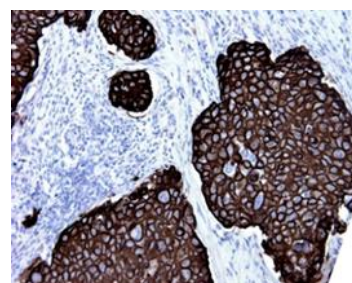
1. Pretreatment: HIER pH9
2. Wash (TBS-Tween)
3. Primary antibody: CKpan 1:100 – 1:400, 30 min.
4. Wash
5. 3% H₂O₂, 10 min.*
6. Wash
7. BioSite Histo HRP One-Step Polymer (KDB-10007), 30 min
8. Wash
9. Wash
10. DAB high contrast Kit (BCB-20032), 10 min
11. Aqua
12. CuSO₄ -post enhancement, 5 min
13. Aqua
14. Counter staining in diluted Mayer, 1 min
15. Bluing, 7 min in tap water
16. Dehydration, clearing and mounting

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

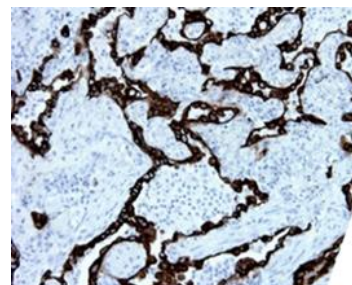
* Optional; Endogenous peroxidase blocking can also be done before primary antibody incubation.



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



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



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