

10-12524: Mouse Monoclonal Antibody to Pan Cytokeratin(Clone :BS5)

Clonality :	Monoclonal
Clone Name :	BS5
Application :	IHC
Reactivity :	Human
Alternative Name :	CK, Keratin, pan CK

Description

Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. 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 tumors.

Product Info

Amount :	0.1 ml / 0.5 ml
Content :	TRIS with 0.03% sodium azide, pH7.2
Storage condition :	Store at 4°C

Application Note

Immunohistochemical Analysis :-1:200

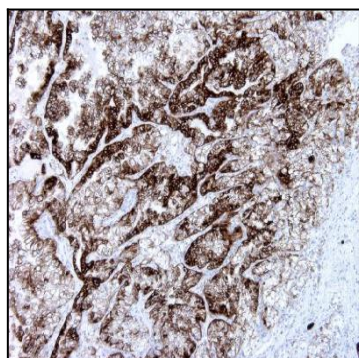


Figure-1: Renal clear cell carcinoma has been stained using panCK antibody (Clone: BS5). Cytokeratin is intermediate filament and Epithelial cells of tonsil have been stained using PAN CK antibody.

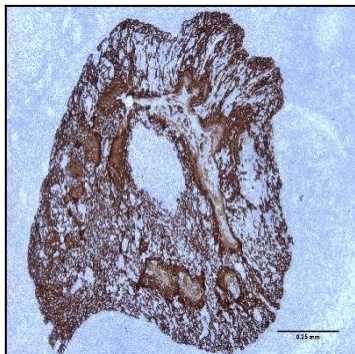


Figure-2: Human tonsil has been stained using panCK antibody (Clone: BS5). Cytokeratin is intermediate filament and Epithelial cells of tonsil have been stained using PAN CK antibody



Figure-3: Human appendix has been stained using panCK antibody (Clone: BS5). Cytokeratin is intermediate filament and PAN CK is strongly expressed in enterocytes of appendix

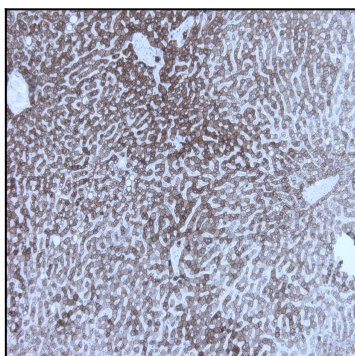


Figure-4: Human liver has been stained using panCK antibody (Clone: BS5). Cytokeratin is intermediate filament and PAN CK is expressed moderately in membrane of hepatocytes and strongly in epithelial cells of bile ducts. Hepatocytes is stained heterogeneously.

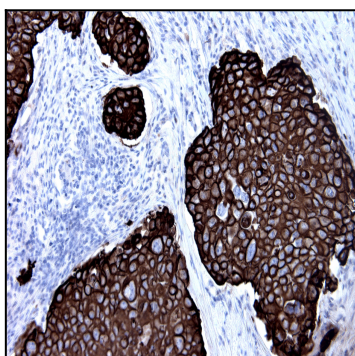


Fig-5: Ductal breast adenocarcinoma section has been stained using CKpan antibody (Clone: BS5) with 1:200 dilution. CKpan stains carcinoma cells intensively.

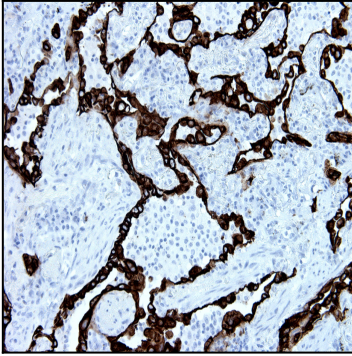


Figure-6: Lung adenocarcinoma section has been stained using CKpan antibody (Clone:BS5) with 1:200 dilution. CKpan stains neoplastic cells strongly.

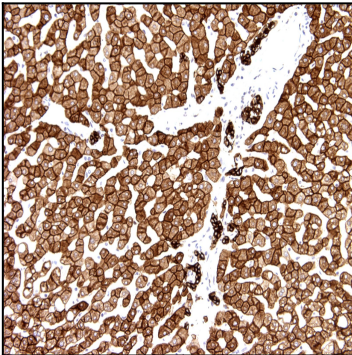


Figure-7: Liver section has been stained using CKpan antibody (Clone: BS5) with 1:200 dilution. Hepatocytes have membranous staining pattern with moderate label. Bile ducts have strong label.