Datasheet for ABIN3024002

anti-pan Keratin antibody

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	pan Keratin (panKRT)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This pan Keratin antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human KRT77 and KRT76 protein were used as the immunogen for the pan Cytokeratin antibody.
Clone:	KRTL-1077-KRTH-1076
Isotype:	IgG
Purification:	Protein G affinity chromatography

Target Details

Target:	pan Keratin (panKRT)
Alternative Name:	Pan Cytokeratin (panKRT Products)
Background:	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or

Target Details

	HMW) cytokeratins, which include Keratins 1, 3, 4, 5, 6, 8, 10, 14, 15, 16, and 19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRTL/KRTH is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It has been used to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.

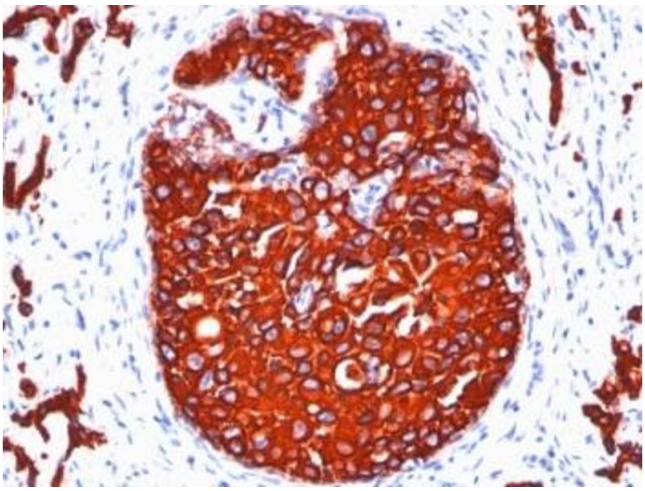
Application Details

Application Notes:	Optimal dilution of the pan Cytokeratin antibody should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.25-0.5 µg/mL for 30 min at RT (1),Prediluted format: incubate for 30 min at RT (2)
Restrictions:	For Research Use only

Handling

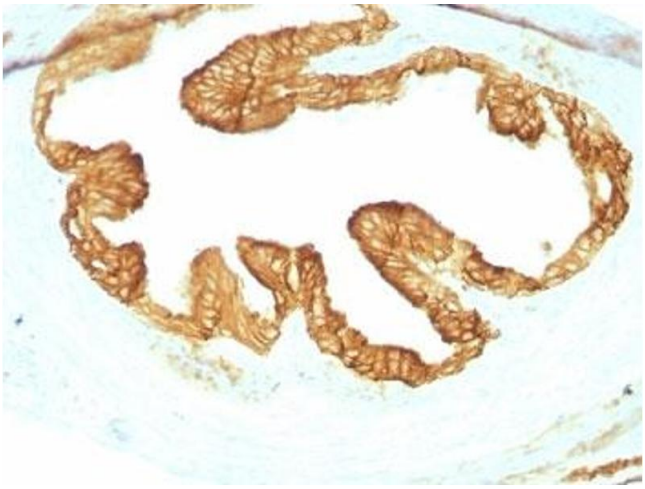
Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the pan Cytokeratin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human breast carcinoma stained with pan Cytokeratin antibody cocktail (KRTL/1077 + KRTH/1076).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded rat Oviduct with pan Cytokeratin antibody cocktail (KRTL/1077 + KRTH/1076).