Datasheet for ABIN3024667

anti-Cytokeratin 8/18 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	Cytokeratin 8/18
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 8/18 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant full-length human KRT8 protein (KRT8/803) and KRT18 protein (KRT18/835) were used as the immunogen for the Cytokeratin 8 + 18 antibody cocktail.
Clone:	KRT8-803-KRT18-835
Isotype:	IgG
Purification:	Protein G affinity chromatography

Target Details

Target:	Cytokeratin 8/18
Alternative Name:	Cytokeratin 8 + 18 (Cytokeratin 8/18 Products)
Background:	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This mAb cocktail

Target Details

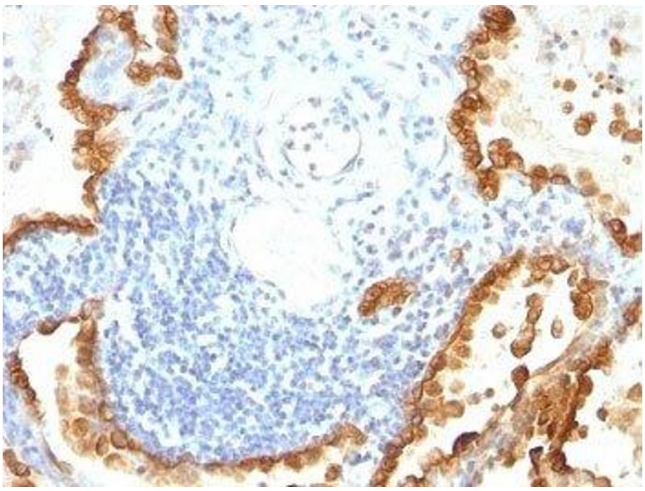
	recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells, there is very little keratin 18 in the normal epidermis so only Paget cells are stained. Immuno-histochemical staining with this mAb is indistinguishable from that obtained with monoclonal antibody 5D3.

Application Details

Application Notes:	Optimal dilution of the Cytokeratin 8 + 18 antibody cocktail 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,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format: incubate for 30 min at RT (2)
Restrictions:	For Research Use only

Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the Cytokeratin 8 + 18 antibody cocktail at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human lung carcinoma stained with Cytokeratin 8 + 18 antibody (KRT8/803 + KRT18/835).

Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Cytokeratin 8 + 18 antibody (KRT8/803 + KRT18/835).

