Datasheet for ABIN3024621

anti-KRT14 antibody (C-Term)

4 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	KRT14
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A synthetic peptide of 15 amino acid from the C-terminus of human Cytokeratin 14 was used as the immunogen.
Clone:	LL002
Isotype:	IgG3
Purification:	Protein G affinity chromatography

Target Details

Target:	KRT14
Alternative Name:	Cytokeratin 14 (KRT14 Products)

Target Details

Background:	Cytokeratin 14 (CK14) belongs to the type I (or A or acidic) subfamily of low molecular weight keratins and exists in combination with keratin 5 (type II or B or basic). Cytokeratin 14 is found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells. antibody to cytokeratin 14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. cytokeratin 14 antibody is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Cytokeratin 14 antibody is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.
Gene ID:	3861

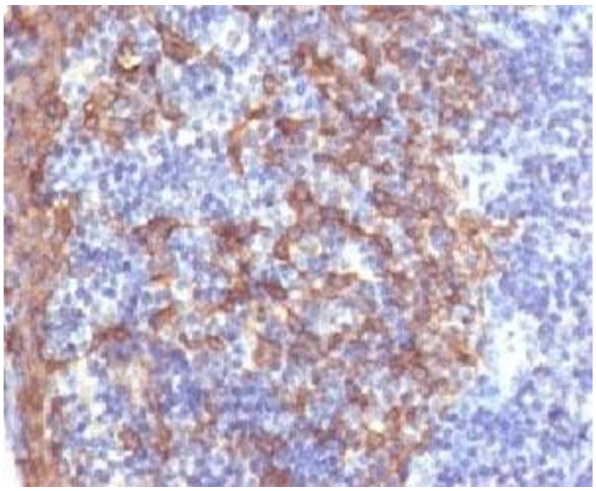
Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance. 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 minutes. 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.\. Western blot: 0.5-1 µg/mL, FACS: 0.5-1 µg/million cells,IF: 1-2 µg/mL,IHC (FFPE): 1-2 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

Handling

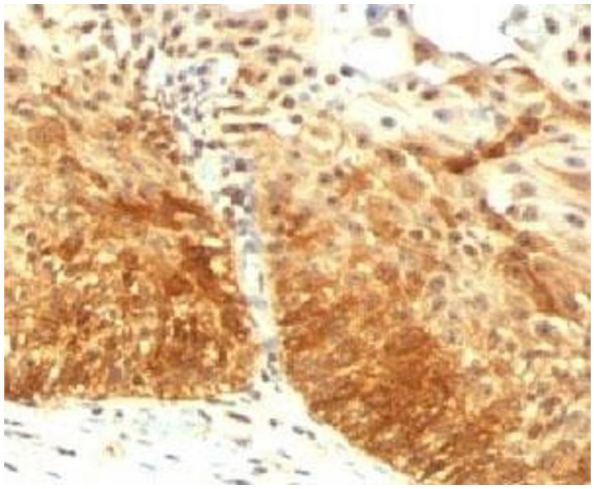
Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Cytokeratin 14 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



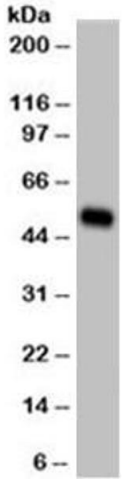
Immunohistochemistry

Image 1. IHC testing of FFPE human prostate with Cytokeratin 14 antibody



Immunohistochemistry

Image 2. IHC testing of FFPE human prostate with Cytokeratin 14 antibody



Western Blotting

Image 3. Western blot testing of A431 cell lysate (epidermoid carcinoma) and Cytokeratin 14 antibody (clone LL002) at 1ug/ml. Predicted/observed molecular weight: ~53kDa.

Please check the product details page for more images. Overall 4 images are available for ABIN3024621.