Datasheet for ABIN969074

anti-pan Keratin antibody

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Overview

Quantity:	100 µL
Target:	pan Keratin (panKRT)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This pan Keratin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of CK5 expressed in E. coli.
Clone:	7H8C4
Isotype:	IgG1
Characteristics:	Pan
Purification:	purified

Target Details

Target:	pan Keratin (panKRT)
Alternative Name:	Cytokeratin (Pan) (panKRT Products)
Background:	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

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Target Details

	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. Aliases: K5, DDD, EBS2, KRT5A, KRT5
Gene ID:	3852
HGNC:	3852

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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:	4°C, -20°C for long term storage

Publications

Product cited in:	Somjen, Katzburg, Posner, Livne, Kaye: "Systemic treatments with the low-calcemic 1,25(OH)(2)D(3) analogs JKF or QW increase both the morphological and biochemical responses to estradiol-17beta in rat tibiae." in: **Journal of cellular biochemistry**, Vol. 100, Issue 6, pp. 1406-14, (2007) (PubMed). Scope, Schwendenwein, Frommlet: "Biological variation, individuality and critical differences of eight biochemical blood constituents in budgerigars (Melopsittacus undulatus)." in: **The**

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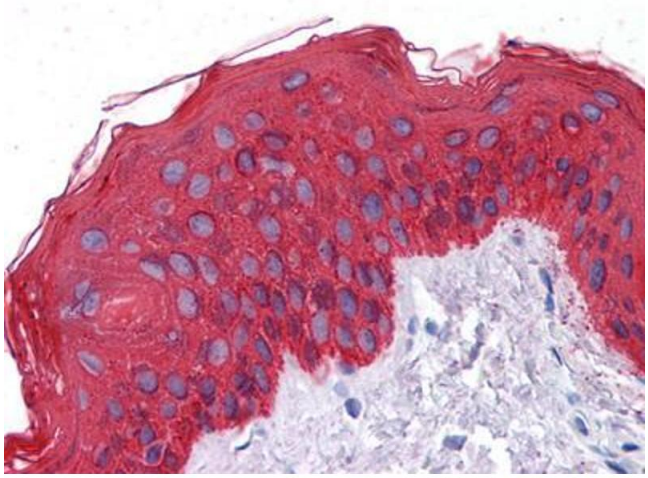
Publications

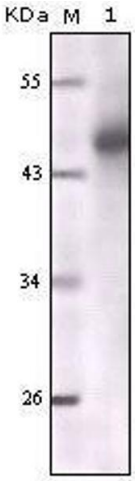
Veterinary record, Vol. 159, Issue 25, pp. 839-43, (2006) (PubMed).

Images



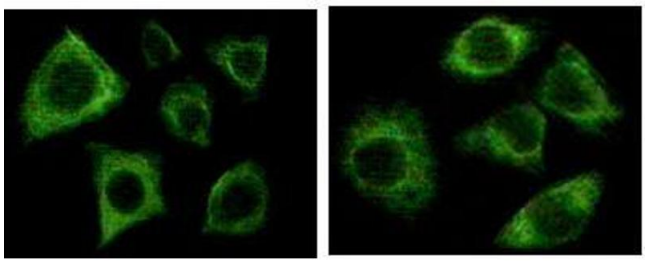
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human Skin tissues using CK mouse mAb



Western Blotting

Image 2. Western blot analysis using CK mouse mAb against truncated CK5 recombinant protein.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Eca-109 (left) and HepG2 (right) cells showing cytoplasmic localization.

Please check the product details page for more images. Overall 4 images are available for ABIN969074.