

Anti-Keratin (MOUSE) Monoclonal Antibody - 200-301-390

Code: 200-301-390

Size: 100 µg

Product Description: Anti-Keratin (MOUSE) Monoclonal Antibody - 200-301-390

Concentration: 1.3 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Mouse
Gene Name	KRT6C
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	PC2 antibody, Type II keratin isoform K6c antibody
Application Note	This antibody is suitable for ELISA, immunohistochemistry, immunoblotting and immunoprecipitation. For a positive control use skin, colon carcinoma and squamous granulocyte carcinoma cells.
Background	Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (i.e. skin) and non-keratinizing cells (i.e. mesothelial
Purity And Specificity	This protein A purified mouse monoclonal antibody reacts specifically with keratins from human tissues and derived cell lines. This antibody reacts with keratin (56 kDa), keratin 17 (46 kDa), keratin 18 (45 kDa) and keratin 19 (40 kDa) derived from humans. Cross reactivity with keratins from other sources has not been determined. No reaction is expected against other filament proteins including vimentin, desmin and neurofilament protein.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
Immunohistochemistry	1:50 - 1:200
WESTERN BLOT	1:50 - 1:200
IHC	1:50 - 1:200
IFMICROSCOPY	1:50 - 1:200
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This protein A purified monoclonal antibody was produced by repeated immunizations with purified human cytoskeletal preparations from A431 cells.
General Reference	<p>Vojtesek B et al. A panel of monoclonal antibodies to keratin7: characterization and value in tumor diagnosis. Neoplasma 37:333-42 (1990).</p> <p>Lane EB & Alexander CM Use of keratin antibodies in tumor diagnosis. Semin Cancer Biol 1:165-79 (1990).</p> <p>Kovari-k J et al. J. Tumour Marker Oncol. 5:219 (1990).</p>

Related Products

- | | |
|-----------------|--------------------------------------------------------------|
| 600-401-116-0.1 | Anti-Laminin (Human) (RABBIT) Antibody - 600-401-116-0.1 |
| 600-401-117-0.1 | Anti-Fibronectin (Human) (RABBIT) Antibody - 600-401-117-0.1 |

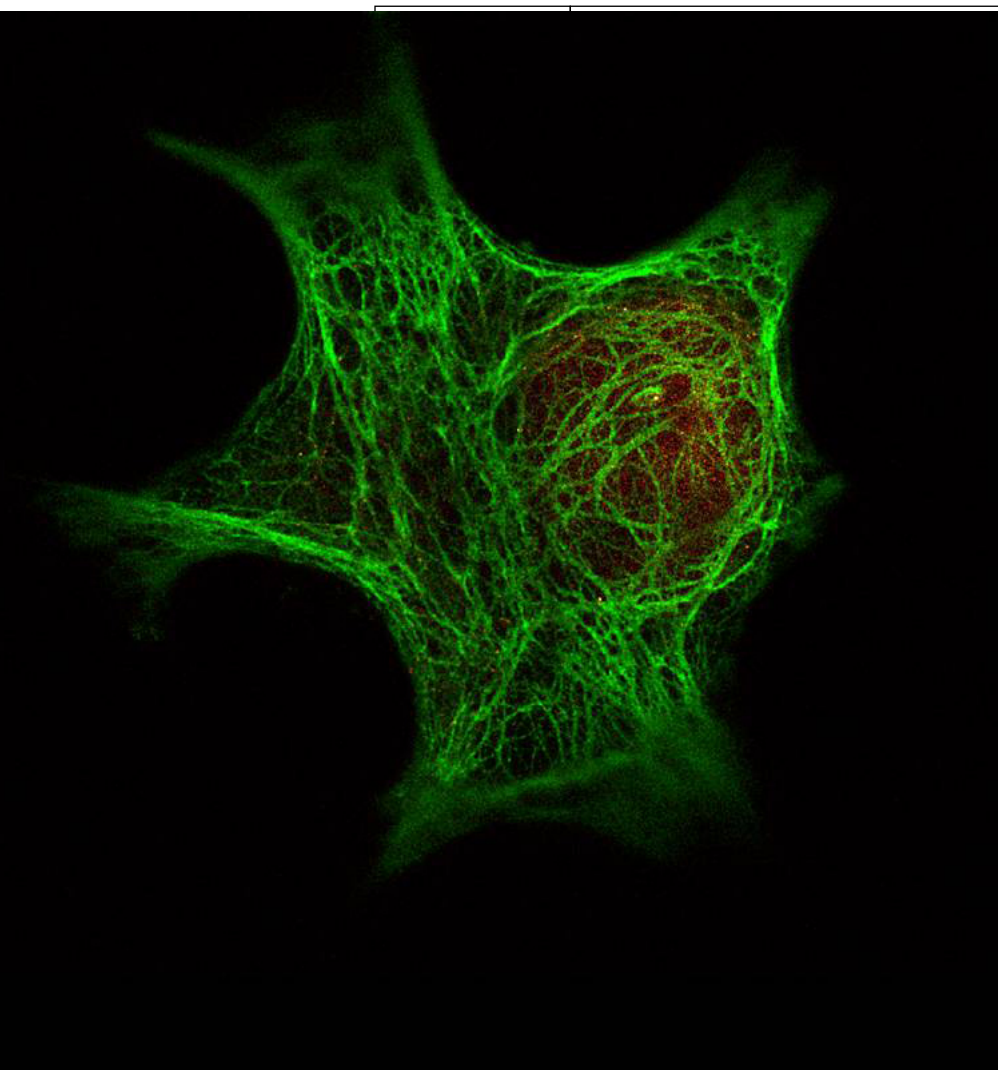
600-406-116	Anti-Laminin (RABBIT) Antibody Biotin Conjugated - 600-406-116
600-406-117	Anti-Fibronectin (RABBIT) Antibody Biotin Conjugated - 600-406-117

Related Links

UniProtKB	http://www.uniprot.org/uniprot/P48668
NCBI - P48668.3	http://www.ncbi.nlm.nih.gov/protein/P48668.3
UniProt - P48668	http://www.uniprot.org/uniprot/P48668
Gene ID - 286887	http://www.ncbi.nlm.nih.gov/gene/286887

Images

- 1 Immunofluorescence Microscopy of Rockland Immunochemical's Anti-Keratin antibody (200-301-390) was used with Rockland's Dylight 488 goat anti-mouse 610-141-121 (shown in green) to detect Keratin by Immunofluorescence. In the same experiment, Rockland's polyclonal Anti-HDAC-1 antibody (600-401-879) was used with Atto425 Anti-Rabbit IgG 611-151-122 (shown in red) to detect HDAC-1. Data was collected on a STED-CW TCS-SP5 Confocal system (Leica Microsystems) equipped with a DFC 350FX camera allowing sequential acquisition in wide-field, confocal and STED CW imaging modes and provided courtesy of: Myriam Gastard, PhD, personal communication, Leica Microsystems, Inc. USA



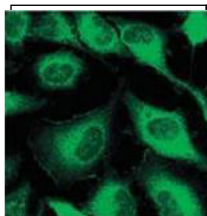
2

Western blot using ROCKLAND Immunochemical's Mouse Anti-Keratin antibody. This antibody recognizes a single 56 kDa band corresponding to human keratin as confirmed by the position of molecular weight markers (not shown). Approximately 100 ng of keratin from human epidermis (Sigma p/n K0253) was applied under reducing conditions to a pre-cast 4-20% iGel from Gradipore Inc. A 1:400 dilution of Mab anti-Keratin was used for 2h followed by detection using a 1:5,000 dilution of IRDye™800 conjugated Goat-a-Mouse IgG [H&L] (610-132-121) and visualization using the Odyssey® Infrared Imaging System developed by LI-COR. Other detection systems will yield similar results. IRDye is a trademark of LI-COR, Inc.



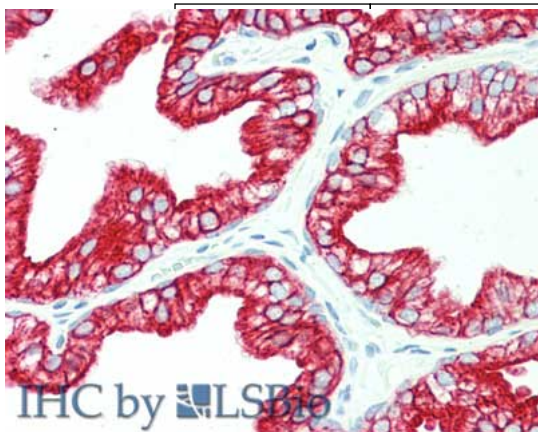
3

Immunofluorescence using ROCKLAND Immunochemical's Mouse Anti-Keratin antibody. Confocal slices of HeLa cells are between 0.5 and 0.6 μ m where the image is taken near the bottom of the cell. Use FITC a 1:2,000 dilution of FITC conjugated Goat-a-Mouse IgG [H&L] (610-102-121) for detection



4

Immunohistochemistry of Mouse anti-Keratin antibody. Tissue: prostate. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-Keratin antibody at 10 μ g/mL for 1 h at RT. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Staining: Keratin as precipitated red signal with hematoxylin purple nuclear counterstain.



Disclaimer

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