Datasheet for ABIN94275

anti-pan Keratin antibody

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Overview

Quantity:	0.1 mg
Target:	pan Keratin (panKRT)
Reactivity:	Mammalian
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This pan Keratin antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
Clone:	C-11
Isotype:	IgG1
Specificity:	The antibody C-11 reacts with cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are members of intermediate filaments subfamily intracellular proteins represented in epithelial tissues.
Cross-Reactivity (Details):	Mammalian
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	pan Keratin (panKRT)
Alternative Name:	Cytokeratin (Pan-reactive) (panKRT Products)
Background:	Cytokeratins are a subfamily of intermediate filaments and are characterized by remarkable biochemical diversity. They are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.,cytokeratin, CYK, CK, KRT

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1 µg/mL. Intracellular staining. Immunohistochemistry: Recommended dilution: 2-8 µg/mL. Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Haun, Devaraj, Marinelli, Lee, Weissleder: "Probing intracellular biomarkers and mediators of cell activation using nanosensors and bioorthogonal chemistry." in: **ACS nano**, Vol. 5, Issue 4, pp. 3204-13, (2011) (PubMed). Bianchi, Bombelli, Raimondo, Torsello, Angeloni, Ferrero, Di Stefano, Chinello, Cifola, Invernizzi, Brambilla, Magni, Pitto, Zanetti, Mocarelli, Perego: "Primary cell cultures from human renal

cortex and renal-cell carcinoma evidence a differential expression of two spliced isoforms of Annexin A3." in: **The American journal of pathology**, Vol. 176, Issue 4, pp. 1660-70, (2010) (PubMed).

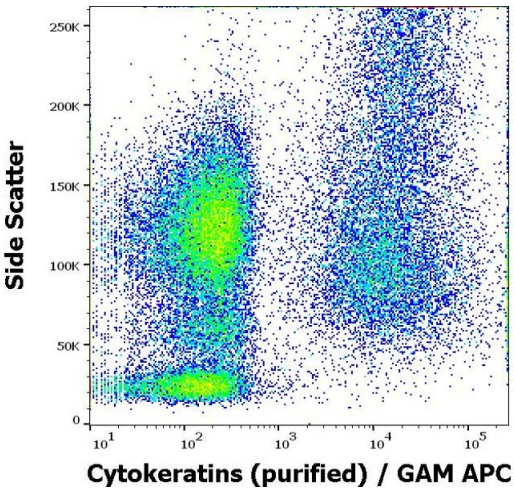
Broekema, Harmsen, Koerts, Petersen, van Luyn, Navis, Popa: "Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats." in: **Kidney international**, Vol. 68, Issue 6, pp. 2572-81, (2005) (PubMed).

Hamakawa, Sumida, Tanioka, Sogawa, Yamada: "Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis." in: **Research communications in molecular pathology and pharmacology**, Vol. 101, Issue 2, pp. 115-26, (1999) (PubMed).

Bártek, Vojt?sek, Stasková, Bártková, Kerekés, Rejthar, Kovarík: "A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology." in: **The Journal of pathology**, Vol. 164, Issue 3, pp. 215-24, (1991) (PubMed).

There are more publications referencing this product on: Product page

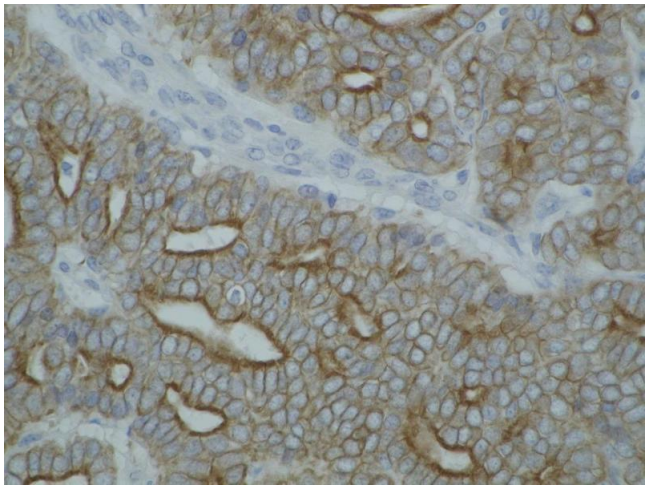
Images



Flow Cytometry

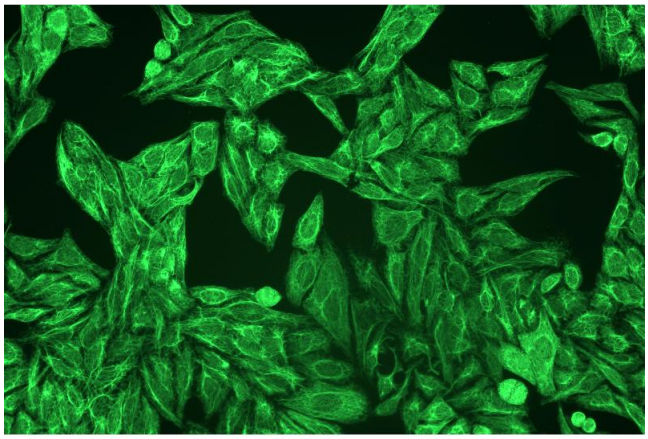
Image 1. Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with MCF-7 cells stained using anti-Cytokeratins (C-11) purified antibody (concentration in sample 3 µg/mL, GAM APC).

Images



Immunohistochemistry

Image 2. Detection of cytokeratin on paraffin-embedded sections of guinea pig breast carcinoma using anti-cytokeratin antibody



Immunocytochemistry

Image 3. Immunocytochemistry staining of cytokeratins in Hep-2 cells using pan-cytokeratin antibody C-11 ((ABIN94275), diluted 1:400), detected with GAM IgG-Alexa Fluor488 (diluted 1:200, green).

Please check the product details page for more images. Overall 6 images are available for ABIN94275.