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Datasheet for ABIN335325  
**anti-Keratin 5/8 antibody**

4 Images

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### Overview

Quantity:	0.1 mg
Target:	Keratin 5/8 (KRT5/8)
Reactivity:	Human, Mouse, Pig, Rat, Dog, Hamster, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 5/8 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	RCK102 is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a mouse immunized with cytokeratins from a human lung cancer cell line (MR21).
Clone:	RCK102
Isotype:	IgG1
Specificity:	Human, mouse, rat, hamster, rabbit, canine, swine.
Purification:	Purified

### Target Details

Target:	Keratin 5/8 (KRT5/8)
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## Target Details

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Alternative Name: Cytokeratin 5+8 / Keratin K5+k8 ([KRT5/8 Products](#))

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Background: Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 - 7.8. The individual human cytokeratins are numbered 1 to 20. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.

## Application Details

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Application Notes: RCK102 is a cytokeratin antibody reacting with cytokeratin 5 and cytokeratin 8. This monoclonal antibody recognizes virtually all epithelial tissues and carcinomas. RCK102 is suitable for immunoblotting, immunocytochemistry, immunohistochemistry on frozen sections and paraffin-embedded tissues and flow cytometry. Optimal antibody dilution should be determined by titration, recommended range is 1:100 - 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

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Restrictions: For Research Use only

## Handling

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Storage: 4 °C

## Publications

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Product cited in: Coonen, Dumoulin, Ramaekers et al.: "Intermediate filament protein expression in early developmental stages of the mouse. A confocal scanning laser microscopy study of in vitro fertilized and in vitro cultured pre-implantation mouse ..." in: **Histochemistry**, Vol. 99, Issue 2, pp. 141-9, (1993) ([PubMed](#)).

Smedts, Ramaekers, Troyanovsky, Pruszczynski, Link, Lane, Leigh, Schijf, Vooijs: "Keratin expression in cervical cancer." in: **The American journal of pathology**, Vol. 141, Issue 2, pp.

## Publications

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497-511, (1992) ([PubMed](#)).

Bauwens, De Groot, Ramaekers, Veldman, Huizing: "Expression of intermediate filament proteins in the adult human vestibular labyrinth." in: **The Annals of otology, rhinology, and laryngology**, Vol. 101, Issue 6, pp. 479-86, (1992) ([PubMed](#)).

Ramaekers, van Niekerk, Poels, Schaafsma, Huijsmans, Robben, Schaart, Vooijs: "Use of monoclonal antibodies to keratin 7 in the differential diagnosis of adenocarcinomas." in: **The American journal of pathology**, Vol. 136, Issue 3, pp. 641-55, (1990) ([PubMed](#)).

Smedts, Ramaekers, Robben, Pruszczynski, van Muijen, Lane, Leigh, Vooijs: "Changing patterns of keratin expression during progression of cervical intraepithelial neoplasia." in: **The American journal of pathology**, Vol. 136, Issue 3, pp. 657-68, (1990) ([PubMed](#)).

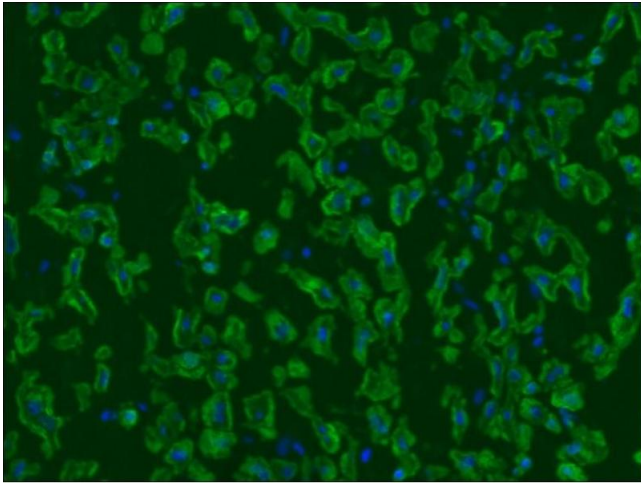
There are more publications referencing this product on: [Product page](#)

## Images

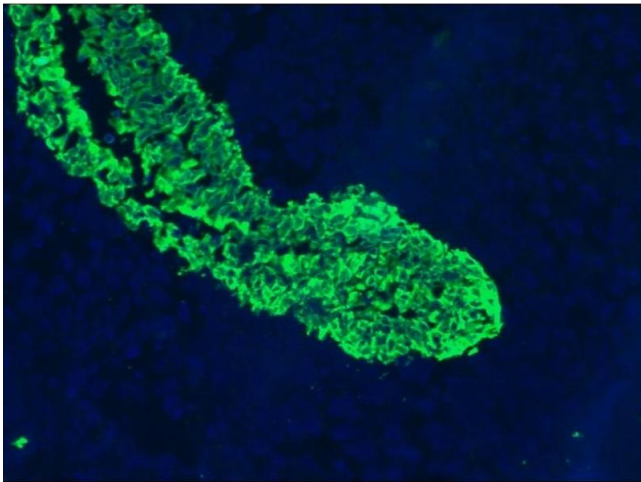
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**Image 1.**



**Image 2.**



**Image 3.**

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN335325.