Datasheet for ABIN335340

anti-KRT17 antibody

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Overview

Quantity:	0.1 mg
Target:	KRT17
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT17 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	E3 is a mouse monoclonal IgG2b antibody derived by fusion of X63 Ag 8.653 mouse myeloma cells with spleen cells from a Balb/c mouse immunized with a cytoskeletal preparation from rat colon.
Clone:	E3
Isotype:	IgG2b
Specificity:	Human and rat.
Purification:	Purified

Target Details

Target:	KRT17

Target Details

Alternative Name:	Cytokeratin 17 / Keratin K17 (KRT17 Products)
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

Application Notes:	E3 reacts with cytokeratin 17 in basal layers of pseudo-stratified and transitional epithelia. APPLICATIONS E3 is suitable for immunoblotting, immunocytochemistry, immunohistochemistry on frozen and paraffin-embedded tissues and flow cytometry. Optimal antibody dilution should be determined by titration, recommended range is 1:25 - 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.
Restrictions:	For Research Use only

Handling

Storage:	4 °C

Publications

Product cited in:	Demirkesen, Hoede, Moll: "Epithelial markers and differentiation in adnexal neoplasms of the skin: an immunohistochemical study including individual cytokeratins." in: **Journal of cutaneous pathology**, Vol. 22, Issue 6, pp. 518-35, (1996) (PubMed). Smedts, Ramaekers, Link, Lauerova, Troyanovsky, Schijf, Vooijs: "Detection of keratin subtypes in routinely processed cervical tissue: implications for tumour classification and the study of cervix cancer aetiology." in: **Virchows Archiv : an international journal of pathology**, Vol. 425, Issue 2, pp. 145-55, (1994) (PubMed).

Publications

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. 497-511, (1992) (PubMed).

Smedts, Ramaekers, Troyanovsky, Pruszczynski, Robben, Lane, Leigh, Plantema, Vooijs: "Basal-cell keratins in cervical reserve cells and a comparison to their expression in cervical intraepithelial neoplasia." in: **The American journal of pathology**, Vol. 140, Issue 3, pp. 601-12, (1992) (PubMed).

Wetzels, Schaafsma, Leigh, Lane, Troyanovsky, Wagenaar, Vooijs, Ramaekers: "Laminin and type VII collagen distribution in different types of human lung carcinoma: correlation with expression of keratins 14, 16, 17 and 18." in: **Histopathology**, Vol. 20, Issue 4, pp. 295-303, (1992) (PubMed).

There are more publications referencing this product on: Product page

Images

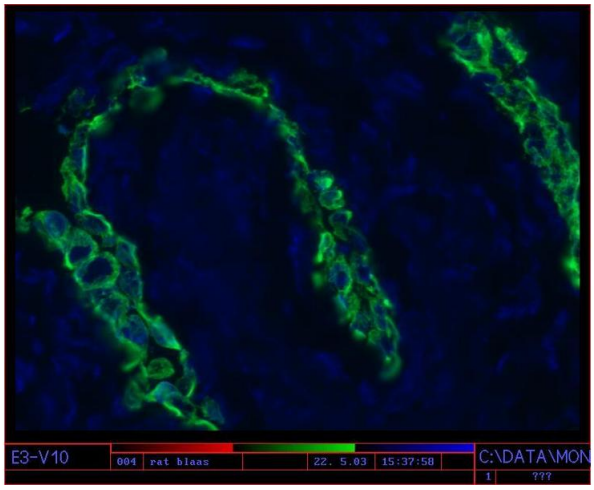

Image 1.

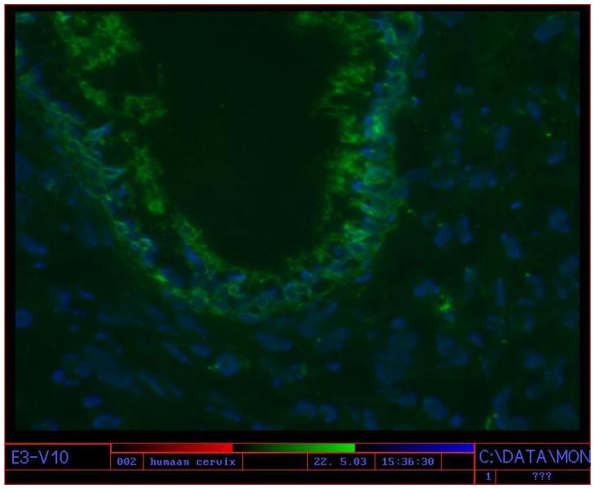

Image 2.

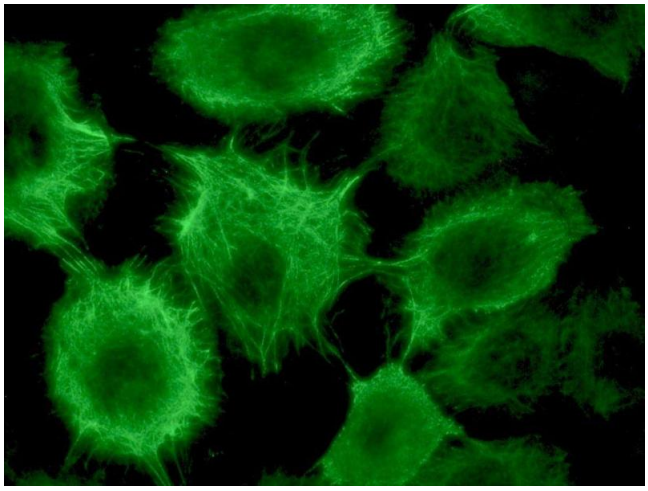

Image 3.

