Datasheet for ABIN335313

anti-Cytokeratin 13 antibody

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Overview

Quantity:	1 mL
Target:	Cytokeratin 13 (KRT13)
Reactivity:	Human, Rat, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Ks13.1 is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a cytokeratin preparation extracted from human esophagus.
Clone:	Ks13-1
Isotype:	IgG1
Specificity:	Ks13.1 reacts exclusively with cytokeratin 13 which is present in non-cornified squamous epithelia, except cornea, and transitional epithelial regions, with the exception of basal cell layers of some stratified epithelia. As a result the antibody also reacts with neoplasms derived from these epithelia.

Target Details

Target:	Cytokeratin 13 (KRT13)
Alternative Name:	Cytokeratin 13 / Keratin K13 (KRT13 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:	Ks13.1 is suitable for immunoblotting and immunohistochemistry on frozen tissues and paraffin embedded tissue after protease pretreatment. Optimal antibody dilution should be determined by titration.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Each vial contains 1 ml of culture supernatant containing 0.09% 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

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).

Publications

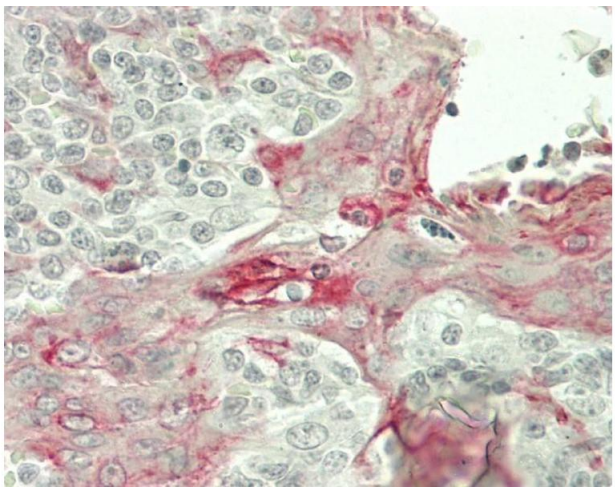
Dallenbach-Hellweg, Lang: "Immunohistochemical studies on uterine tumors. I. Invasive squamous cell carcinomas of the cervix and their precursors." in: **Pathology, research and practice**, Vol. 187, Issue 1, pp. 36-43, (1991) (PubMed).

Moll, Achtstätter, Becht, Balcarova-Ständer, Ittensohn, Franke: "Cytokeratins in normal and malignant transitional epithelium. Maintenance of expression of urothelial differentiation features in transitional cell carcinomas and bladder carcinoma cell culture lines." in: **The American journal of pathology**, Vol. 132, Issue 1, pp. 123-44, (1988) (PubMed).

Dockhorn-Dworniczak, Franke, Schröder, Czernobilsky, Gould, Böcker: "Patterns of expression of cytoskeletal proteins in human thyroid gland and thyroid carcinomas." in: **Differentiation; research in biological diversity**, Vol. 35, Issue 1, pp. 53-71, (1988) (PubMed).

Moll, Franke, Schiller, Geiger, Krepler: "The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells." in: **Cell**, Vol. 31, Issue 1, pp. 11-24, (1983) (PubMed).

Images



Immunohistochemistry

Image 1. Tonsil