SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product datasheet

Cytokeratin 10 - Nordic MUbio

nordicmubio.com/product/cytokeratin-10

Cytokeratin 10

Catalogue number: **CK110**

Clone	DE-K10
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Background

CK10 stains supra-basal cells in the epidermis and in different squamous epithelia of internal organs (vagina, exocervix, tongue, palate). In skin cells of sweat glands and hair roots are labelled. Simple epithelia, glandular epithelia and transitional epithelia of the urinary tract are negative. The antibody may be used for differential diagnosis of squamous epithelial carcinoma, which are Cytokeratin 10 positive, while adenocarcinoma are negative. Cytokeratins are a group of water insoluble filament proteins, which are constituents of the cytoskeleton of epidermal cells and other epithelial cells. By gel electrophoretic analysis up to now 20 different cytokeratins have been characterized. They have been divided into basic and acid subfamilies and may also be distinguished by their molecular weights and their tissue distribution. The most frequently used nomenclature has been published by R. Moll et al. (1982). 56,5 kDa Cytokeratin according to CK10 (Moll et al. 1982).

Source

Immunogen: Extract of human epidermis

Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 100 immunohistochemical tests (100 µl

working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

Purification Method: Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

Secondary Reagents: We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

Specificity

Species Reactivity: Human, cattle, rat

Applications
IHC(C, P)

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:10 - 1:50

Pre-Treatment: Unmasking fluid C (Art. No. DE000) or unmasking fluid G (Art. No. DE007) at high temperature is recommended for the use on formaldehyde fixed tissue.

Positive Control: Squamous epithelial carcinoma (Vulva)

Storage
2-8°C

Caution
This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations.This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.

References
1. Moll R., Franke W.W., Schiller D.L., Geiger B., and Krepler R. (1982) The Catalog of Human Cytokeratins: Patterns of Expression in Normal Epithelia, Tumors and Cultured Cells. Cell 31; 11 ff. 2. Ivanyi D., Ansink A., Groeneveld E., Hageman P.C., Mooi W.J., and Heintz A.P.M. (1989) New monoclonal antibodies recognizing epidermal differentiation-associated keratins in formalin-fixed, paraffin-embedded tissue. Keratin 10 expression in carcinoma of the vulva. J. Pathol. 159; 7-12. 3. Ivanyi D., Groeneveld E., Van Doornewaard G., Mooi W.J., and Hageman P.C. (1990) Keratin subtypes in carcinomas of the uterin cervix: implications for histiogenesis and differential

diagnosis. Cancer Res. 50; 5143-5152. 4. Mommers JM, van Rossum MM, van Erp PE, van De Kerkhof PC. (2000) Changes in keratin 6 and keratin 10 (co-)expression in lesional and symptomless skin of spreading psoriasis. Dermatology 2000;201(1):15-20

Safety Datasheet(s) for this product:
NM_Sodium Azide
/wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf