

DM056-05**Monoclonal Antibody to Cytokeratin 13 (+ KRT10) - Supernatant****Alternate names:**

CK-13, CK13, K13, KRT-13, KRT13, Keratin type I cytoskeletal 13, Keratin-13

Quantity:

0.5 ml

Background:

Cytokeratin 13 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus.

Uniprot ID:[P13646](#)**NCBI:**[NP_002265](#)**GeneID:**[3860](#)**Host / Isotype:**

Mouse / IgG2a

Clone:

DE-K13

Immunogen:

Detergent insoluble extract of human epidermis

Format:**State:** Liquid tissue culture supernatant containing sodium azide as preservative**Applications:**

Western Blot.

Immunohistochemistry on acetone-fixed frozen and formalin-fixed paraffin embedded tissues: use a dilution of 1:25-1:50 in an ABC method (of 30 minutes at room temperature).

Enzymatic predigestion of paraffin embedded tissues is not recommended prior to the immunostaining, as it may reduce the staining.

Recommended positive control: Skin or tonsil

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes keratin polypeptides of 53 (keratin 13) and 56.5 kD (keratin 10).

It stains suprabasal cells in the epidermis, thymic Hassall's bodies, urothelium and non-cornifying stratified epithelia of vagina, ectocervix, tongue and esophagus.

The antibody does not stain intraepithelial neoplasm and invasive squamous cell carcinoma.

Cellular Localization: Cytoplasmic

Species: Cat, Human, Rat.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Ivanyi et al. J Pathol 159: 7, 1989.
Ivanyi et al. Differentiation 42: 124, 1989.
Ivanyi et al. Cancer Res 50: 5143, 1990.
Van Muijen et al. Exp Cell Res 171: 331, 1987.

Pictures:

Formalin fixed paraffin embedded
human tonsil stained with Cytokeratin
10/13 antibody DM056/DM056-05

