

Keratin 10, clone DE-K10 Monoclonal Antibody

Catalog No.: MON3025

Quantity: 1 ml

Specificity

This monoclonal antibody reacts in immunoblots with the 56.6 kD cytokeratin protein. The antibody DE-K10 specifically recognizes cytokeratin 10. The antibody can therefore be used for the visualization of keratinizing cells in squamous cell carcinomas from epidermis, lung, bladder, cervix, esophagus, etc. Origin of antigen: cytoskeletal preparation from human epidermis. Antigen location: cytoplasm.

Immunoglobulin type

Murine IgG₁

Use

Keratin DE-K10 is the first cytokeratin 10 specific antibody which besides frozen sections can also be used on formalin fixed paraffin embedded tissue sections with even a more better result if a TUF (cat.no. T10333) pretreatment is preformed. Therefore this monoclonal is particularly useful in routine pathology. It could also be used in Western blotting.

Instructions for use

For immunohistochemistry on frozen sections fixation with acetone for 5 min. at -20°C is recommended. For use in paraffin sections fixation with neutral formalin and a pretreatment with pronase or trypsin is also recommended. Recommended for positive control: Squamous cell carcinoma. Working dilution: 1:5-1:10 but optimal dilution should be tested by serial dilutions. Dilution buffer: 0.15 M PBS with 1% BSA and 0.1% sodium azide.

This antibody is also useful for Western blotting when applied undiluted although lesser amount of antibody could be sufficient therefore we recommend that each customer determines the optimal working dilution.

Presentation

1 ml antibody solution in 0.15 M PBS with 1% BSA and 0.02% sodium azide.

Literature

- Ivanyi, D., et al., 1989, J. of Pathology 159, 7-12.
- Smedts, F., et al., 1992, Am. J. Pathol. 141, 497-511.

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