

Rabbit anti-Keratin Polyclonal Antibody

Catalog No.: PS033

Quantity: 0.25 ml

Specificity

The polyclonal antibodies react with keratin of most mammals and birds. A positive reaction is obtained with all stratified squamous epithelia and in epidermal appendages such as hair follicles and sebaceous glands. Also, the epithelia of the urinary tract, stomach, small and large intestine, uterine endometrium, bile ducts, prostate, kidney collecting tubules, thymic reticulum cells, mesothelium and to lesser extent hepatocytes, adenocarcinomas, transitional cell carcinomas and anaplastic carcinomas can be identified by this antiserum. Renal cell adenocarcinomas and small cell anaplastic lung tumors may remain negative, when examined in paraffin sections.

Hepatocytes and pancreatic acini show a positive staining. Immunogen: keratin extracted from human skin. Antigen location: cytoplasm. Cross-reactive with keratin from most mammals and birds. In immunohistochemistry, nearly all cultured epithelial cells are positive, all non-epithelial cells are negative.

Use

The antibodies can be used to identify by means of immunohistochemistry mesotheliomas, squamous cell carcinomas, adenocarcinomas, transitional cell carcinomas and anaplastic carcinomas. Renal cell adenocarcinomas and small cell anaplastic lung tumors may remain negative, when examined in paraffin sections.

Instructions for use

For immunohistochemistry on frozen sections, fixation for 3 min. with 1% formaldehyde is recommended. For formaldehyde fixed paraffin embedded tissue sections, proteolytic pretreatment with pronase or trypsin is recommended. Working dilution: 1:50-1:100. Dilution buffer: 0.15 M PBS with 1% BSA and 0.1% sodium azide. Optimal dilution should be tested by serial dilutions. Recommended for positive control: Squamous cell carcinoma, skin and cervix.

Presentation

0.25 ml affinity chromatography purified liquid antiserum.

Literature

- Ramaekers, F., et al., 1985, Virchows Arch (Pathol.Anat.), 408, 127.
- van der Loos, Ch.M. et al., 1987, J. histochem. and Cytochem. 35, 1199-1204.

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