



PRODUCT DATA SHEET

Product: Anti-Keratin pAb

Cat. No.: PC-171 (250 µL)

Background:

This polyclonal antibody reacts 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 a 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. Nearly all cultured epithelial cells are positive, all non-epithelial cells are negative.

Specificity:

Recognizes keratin

Species Reactivity:

Most mammals and birds

Host:

Rabbit

Immunogen:

Keratin extracted from human skin.

Antigen Location:

Cytoplasm

Format:

0.25 mL affinity chromatography purified liquid antiserum.

Storage:

Store undiluted antibody at 4°C. For long term storage, aliquot and store at -20°C.

Applications and Suggested Dilutions:

■ Immunohistochemistry – Frozen sections: Fixation for 3 min. with 1% formaldehyde is recommended.

Formaldehyde-fixed, paraffin-embedded tissue sections: Proteolytic pretreatment with pronase or trypsin is recommended.

Use at a 1:50 dilution in PBS or Tris.

Recommended positive control: Squamous cell carcinoma, skin, cervix.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.