

Cytokeratin 2 Rabbit pAb

Catalog # AP97559

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q01546
Other Accession	Q01546
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65841
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CK2
Epitope Specificity	535-638/638
Isotype	IgG
Purity	affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SIMILARITY Belongs to the intermediate filament family.

SUBUNIT Heterotetramer of two type I and two type II keratins.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions Keratins are a group of water-insoluble proteins that form monofilaments, a class of intermediate filament. These filaments form part of the cytoskeletal complex in epidermis and in most other epithelial tissues. Nineteen human epithelial keratins are resolved with two-dimensional gels electrophoresis (1). These can be divided into acid (pI 6.0) subfamilies. The acidic keratins have molecular weights of 56.5, 55, 51, 50, 50', 48, 46, 45 and 40 kD. The basic keratins have molecular weights of 65-67, 64, 59, 58, 56 and 52kD. Members of the acidic and basic subfamilies are found together in pairs. The composition of keratin pairs varies with the epithelial cell type, stage of differentiation, cellular growth environment, and disease state (2-4). The 56.5/65-67kD pair is present in keratinized (differentiated) epidermis. The 55/64kD pair is characteristic of normal (corneal-type) epithelial differentiation (1,2). The 51/59kD pair is characteristic of the stratified squamous epithelial of internal organism such as esophagus and tongue (1,3). The 51/58kD pair is a keratinocyte marker; this pair is present in almost all stratified epithelia irrespective of the state of cellular stratification (1,2). The 48/56kD pair is characteristic of hyperproliferative (de-differentiated) keratinocytes (1,5). The 45/52kD pair and to a lesser extent, the 46/54kD pair are characteristic of simple epithelia (1). The 40kD keratin is present in most epithelia except adult epidermis (1).

Additional Information

Gene ID 51350

Other Names	K22O_HUMAN; KRT76; Cytokeratin-2P (CK-2P K2P); Keratin-76 (K76); Type-II keratin Kb9; KRT2B; KRT2P; K22O_MOUSE; keratin 76; keratin 76, type II
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KRT76
Synonyms	KRT2B, KRT2P
Function	Probably contributes to terminal cornification.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.