10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Pan-Cytokeratin Recombinant Rabbit mAb

Catalog # AP96690

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Cytokeratins are proteins of keratin-containing intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. The cytokeratins are encoded by a family encompassing 30 genes. Among them, 20 are epithelial genes and the remaining 10 are specific for trichocytes. In the cytoplasm, the keratin filaments conform a complex network which extends from the surface of the nucleus to the cell membrane. Numerous accessory proteins are involved in the genesis and maintenance of such structure. This association between the plasma membrane and the nuclear surface provides important implications for the organization of the cytoplasm and cellular communication mechanisms. Apart from the relatively static functions provided in terms of supporting the nucleus and providing tensile strength to the cell, the cytokeratin networks undergo rapid phosphate exchanges mediated depolymerization, with important implications in the more dynamic cellular processes such as mitosis and post-mitotic period, cell movement and differentiation. Cytokeratins interact with desmosomes and hemidesmosomes, thus collaborating to cell-cell adhesion and basal cell-underlying connective tissue connection.

Additional Information

Other Names	CK13; K13; WSN2; K1C16_HUMAN; KRT16; Cytokeratin-16 (CK-16); Keratin-16 (K16); KRT16A; CK14; EBS1; EBS1A; EBS1B; EBS1C; EBS1D; EBS3; EBS4; K14; NFJ; K1C14_HUMAN; KRT14; Cytokeratin-14 (CK-14); Keratin-14 (K14); CK16; FNEPPK; K16; K1CP; NEPPK; PC1; 39.1; CK-17; K17; PC; PC2; PCHC1; K1C17_HUMAN; KRT17; Cytokeratin-17 (CK-17); Keratin-17 (K17); CK-24; K24; KA24; K1C24_HUMAN; KRT24; Cytokeratin-24 (CK-24); Keratin-24 (K24); Type I keratin-24; keratin 24; keratin 24, type I
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,WB=1:500-2000
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.

Name Pan-Cytokeratin Recombinant Rabbit mAb

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