



Recombinant Acidic Cytokeratin Antibody [RMAK1-1]

Cat. No.: 34-021



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human
IMMUNOGEN:	An amino acid sequence common to acidic/type I keratins was used as the immunogen for the Acidic Cytokeratin antibody.
TESTED APPLICATIONS:	IHC-P
APPLICATIONS:	Immunohistochemistry (FFPE): 0.5-1 ug/ml for 30 min at RT (2) Titering of the Acidic Cytokeratin antibody may be required for optimal performance. 1. This antibody will detect cytokeratins -10, -14, -15, -16, -19. 2. FFPE testing is enhanced by boiling sections in pH6 10mM citrate buffer for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

Ψ Properties

PURIFICATION:	Protein A affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG, k
CONJUGATE:	Unconjugated

PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8 °C. Avoid freez-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	K77
GENE ID:	9606
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Background and References

BACKGROUND:	<p>There are two types of cytokeratins/keratins/CKs: the acidic type I cytokeratins and the basic or neutral type II cytokeratins. The subsets of cytokeratins which an epithelial cell expresses depends mainly on the type of epithelium, the moment in the course of terminal differentiation and the stage of development. Thus this specific keratin fingerprint allows the classification of all epithelia upon their keratin expression profile. Furthermore this applies also to the malignant counterparts of the epithelia (carcinomas), as the keratin profile tends to remain constant when an epithelium undergoes malignant transformation. The main clinical implication is that the study of the keratin profile by immunohistochemistry techniques is a tool of immense value widely used for tumor diagnosis and characterization in surgical pathology. [Wiki]</p>
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