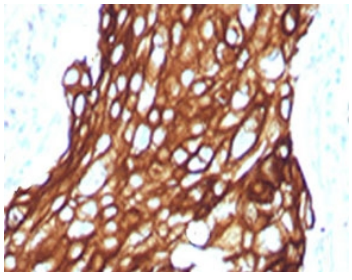
Recombinant Acidic Cytokeratin Antibody / Rabbit Monoclonal [clone RMAK1-1] (V7198)

Catalog No.	Formulation	Size
V7198-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7198-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7198SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7198IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	RMAK1-1
Purity	Protein A affinity chromatography
UniProt	Q7Z794
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (2)
Limitations	This recombinant Acidic Cytokeratin antibody is available for research use only.



IHC testing of FFPE human lung carcinoma with recombinant Acidic Cytokeratin antibody (clone RMAK1-1). Required HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

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]

Application Notes

Titering of the recombinant Acidic Cytokeratin antibody may be required for optimal performance.

1. This antibody will detect cytokeratins -10, -14, -15, -16, -19.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

An amino acid sequence common to acidic/type I keratins (1) was used as the immunogen for the recombinant Acidic Cytokeratin antibody.

Storage

Store the recombinant Acidic Cytokeratin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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