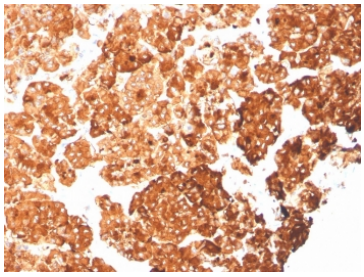
Cytokeratin 6A Antibody rKRT6A/2100 / KRT6A Recombinant Monoclonal [clone rKRT6A/2100] (V7912)

Catalog No.	Formulation	Size
V7912-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7912-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7912SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

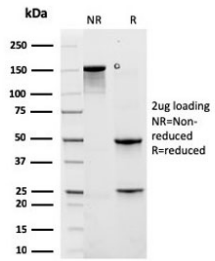
Recombinant MOUSE MONOCLONAL

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rKRT6A/2100
Purity	Protein G affinity chromatography
UniProt	P02538
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Cytokeratin 6A Antibody rKRT6A/2100 is available for research use only.



Cytokeratin 6A Antibody rKRT6A/2100 Immunohistochemistry Analysis. IHC staining of FFPE human pancreas with recombinant Cytokeratin 6A antibody (clone rKRT6A/2100). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Cytokeratin 6A antibody (clone rKRT6A/2100) as confirmation of integrity and purity.

Description

Cytokeratin 6A Antibody rKRT6A/2100 recognizes Cytokeratin 6A/KRT6A, a type II intermediate filament protein encoded by the KRT6A gene that belongs to the keratin family of cytoskeletal proteins. Cytokeratin 6A is a member of the high-molecular-weight keratin subgroup and is closely related to Cytokeratin 6B and Cytokeratin 6C, with overlapping but distinct expression patterns. In normal human tissues, Cytokeratin 6A is minimally expressed in most mature epithelia but is rapidly induced in stratified squamous epithelia under conditions of stress, injury, inflammation, or hyperproliferation. As such, a Cytokeratin 6A antibody is widely used to study epithelial activation, wound healing responses, and stress-associated keratin reprogramming.

Cytokeratin 6A antibody, also referred to as KRT6A antibody or Keratin 6A antibody in the literature, is particularly relevant in dermatologic and epithelial biology. Cytokeratin 6A is strongly upregulated in hyperproliferative keratinocytes, including those found in psoriasis, chronic wounds, and regenerative epidermis. At the cellular level, Cytokeratin 6A localizes to the cytoplasm where it integrates into the intermediate filament network, contributing to mechanical resilience and cellular adaptation during rapid epithelial turnover.

In cancer biology, Cytokeratin 6A antibody is frequently used as a marker of squamous differentiation and basal-like epithelial phenotypes. Elevated Cytokeratin 6A expression has been reported in squamous cell carcinomas of the skin, lung, head and neck, cervix, and esophagus, as well as in subsets of basal-like carcinomas. Because Cytokeratin 6A expression reflects altered differentiation and increased proliferative capacity, detection of this protein can provide valuable contextual information in tumor classification and epithelial lineage assessment. Recombinant Cytokeratin 6A antibody reagents offer consistency and specificity for detecting KRT6A expression across diverse research applications, supporting studies of epithelial biology, disease progression, and tissue remodeling.

Explore our protein microarray-validated Cytokeratin 6 Antibody KRT6A/2368 for investigating keratinocyte activation, squamous differentiation, and KRT6A expression in epithelial tissues.

Application Notes

Optimal dilution of the Cytokeratin 6A Antibody rKRT6A/2100 should be determined by the researcher.

Immunogen

A recombinant full-length human Cytokeratin 6A protein was used as the immunogen for this Cytokeratin 6A Antibody rKRT6A/2100.

Storage

Store the Cytokeratin 6A Antibody rKRT6A/2100 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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