Keratin 17 Antibody Rabbit Monoclonal KRT17/7155R / Cytokeratin 17 Antibody [clone KRT17/7155R] (V8796)

Catalog No.	Formulation	Size
V8796-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8796-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8796SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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
Clone Name	KRT17/7155R
Purity	Protein A/G affinity
UniProt	Q04695
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Keratin 17 antibody is available for research use only.

Description

Keratin 17 (KRT17), also known as Cytokeratin 17 or CK17, is a type I intermediate filament protein encoded by the

KRT17 gene and expressed in epithelial tissues. Keratin 17 contributes to the cytoskeletal framework of epithelial cells where keratin intermediate filaments provide structural support and mechanical resilience. Keratin 17 Antibody Rabbit Monoclonal KRT17/7155R recognizes the KRT17 protein and supports research focused on epithelial cytoskeletal organization and keratin expression in normal and disease-associated tissues.

Keratin intermediate filaments are assembled from type I and type II keratin proteins that form heterodimeric complexes within epithelial cells. These complexes polymerize into filamentous networks that extend throughout the cytoplasm, providing structural stability and maintaining cellular architecture. Keratin 17 participates in these filament networks and contributes to epithelial cell integrity and resistance to mechanical stress.

KRT17 expression is commonly detected in basal epithelial layers of stratified epithelia and in epithelial appendages such as hair follicles and glandular structures. Cytokeratin 17 expression can also be observed in epithelial cells involved in regenerative or proliferative processes. Because keratin expression patterns vary across epithelial tissues, keratin profiling has become a widely used approach for studying epithelial differentiation and tissue lineage.

Cytokeratin 17 has been extensively investigated in cancer research due to its association with epithelial tumors. Expression of KRT17 protein has been reported in several epithelial malignancies, where cytokeratin expression patterns can provide insight into tumor differentiation and epithelial lineage. Detection of CK17 is frequently used in studies examining tumor biology and epithelial cytoskeletal remodeling during malignant transformation.

As a member of the keratin intermediate filament family, Keratin 17 plays a role in maintaining epithelial tissue structure and supporting intracellular organization. Intermediate filaments composed of keratin proteins function alongside actin filaments and microtubules to maintain cytoskeletal stability and cellular morphology.

Keratin 17 Antibody Rabbit Monoclonal KRT17/7155R is a rabbit monoclonal antibody developed to detect KRT17 protein in research samples. Detection of Keratin 17 using this antibody supports investigations of epithelial cytoskeletal organization, epithelial differentiation, and keratin expression patterns in biological research.

Application Notes

Optimal dilution of the Keratin 17 Antibody Rabbit Monoclonal KRT17/7155R should be determined by the researcher.

Immunogen

Recombinant full-length human KRT17 protein was used as the immunogen for the Keratin 17 antibody.

Storage

Aliquot the Keratin 17 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Keratin 17 Antibody Rabbit Monoclonal KRT17/7155R | V8796 NSJ Bioreagents