

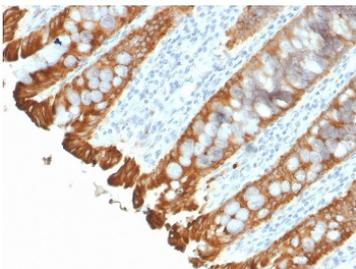
## Recombinant Cytokeratin 8/18 Antibody [clone KRT8.18/2297R] (V8405)

Catalog No.	Formulation	Size
V8405-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8405-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8405SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

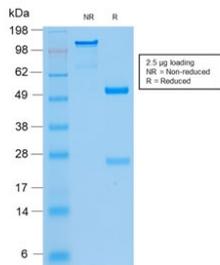
Recombinant **RABBIT MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	KRT8.18/2297R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P05787; P05783
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant Cytokeratin 8/18 antibody is available for research use only.



IHC staining of FFPE human colon with recombinant Cytokeratin 8/18 antibody (clone KRT8.18/2297R). 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 8/18 antibody (clone KRT8.18/2297R) as confirmation of integrity and purity.

## Description

Recombinant Cytokeratin 8/18 antibody detects cytokeratins 8 and 18, type II and type I intermediate filament proteins encoded by the KRT8 and KRT18 genes. These proteins are co-expressed in simple epithelial tissues, forming obligate heteropolymers that provide structural integrity and resilience. Because cytokeratin 8 and cytokeratin 18 are widely used as epithelial lineage markers and indicators of tissue pathology, Recombinant Cytokeratin 8/18 antibody is an important tool in oncology, pathology, and epithelial biology.

Cytokeratin 8 is a type II keratin, while cytokeratin 18 is a type I keratin. Together they form filament networks that stabilize epithelial cells against mechanical stress. Beyond structural roles, these proteins participate in apoptosis, signal transduction, and cell cycle regulation. Aberrant expression of keratins 8 and 18 has been linked to carcinomas, liver disease, and inflammatory conditions, making them valuable diagnostic and prognostic biomarkers.

The Recombinant Cytokeratin 8/18 antibody clone KRT8.18/2297R provides reproducible and specific recognition of both keratins. Recombinant technology ensures lot-to-lot uniformity, which is critical for long-term studies. Clone KRT8.18/2297R has been cited in peer-reviewed studies investigating liver pathology, breast carcinoma, and epithelial differentiation. Its applications include immunohistochemistry, Western blotting, and cytological analysis.

Research using clone KRT8.18/2297R has shown how cytokeratins 8 and 18 are upregulated in carcinomas compared to normal tissues, providing diagnostic discrimination from non-epithelial tumors. In hepatology, these keratins are released into the serum during cell injury, and their detection has been associated with progression of liver disease. In oncology, keratin 8 and 18 staining is a standard component of panels that identify epithelial tumor origin, supporting accurate pathology classification.

NSJ Bioreagents supplies this Recombinant Cytokeratin 8/18 antibody to support oncology, pathology, and epithelial research. Alternate names include KRT8 antibody, KRT18 antibody, keratin type II cytoskeletal 8 antibody, keratin type I cytoskeletal 18 antibody, simple epithelial keratin antibody, and epithelial intermediate filament antibody.

Immunohistochemical staining with this MAb is indistinguishable from that obtained with monoclonal antibody 5D3.

## Application Notes

Optimal dilution of the recombinant Cytokeratin 8/18 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human KRT8/18 protein was used as the immunogen for the recombinant Cytokeratin 8/18 antibody.

## Storage

Store the recombinant Cytokeratin 8/18 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

