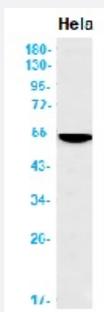


RecomAb™

# KRT16 recombinant monoclonal antibody, clone R02-5F8

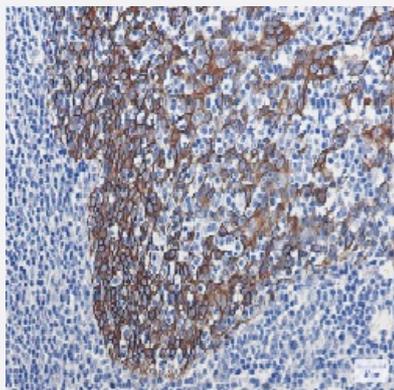
Catalog # RAB01704      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Cytokeratin 16 in HeLa lysates using human Cytokeratin 16 recombinant monoclonal antibody, clone R02-5F8 (Cat # RAB01704).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human tonsil with Cytokeratin 16 recombinant monoclonal antibody, clone R02-5F8 (Cat # RAB01704).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human Cytokeratin 16.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human Cytokeratin 16
<b>Theoretical MW (kDa)</b>	Calculated MW: 51 kD
<b>Reactivity</b>	Human

<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Cytokeratin 16 in Hela lysates using human Cytokeratin 16 recombinant monoclonal antibody, clone R02-5F8 (Cat # RAB01704).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human tonsil with Cytokeratin 16 recombinant monoclonal antibody, clone R02-5F8 (Cat # RAB01704).

## Gene Info — KRT16

<b>Entrez GeneID</b>	<a href="#">3868</a>
<b>Protein Accession#</b>	<a href="#">P08779</a>
<b>Gene Name</b>	KRT16
<b>Gene Alias</b>	CK16, K16, K1CP, KRT16A, NEPPK
<b>Gene Description</b>	keratin 16
<b>Omim ID</b>	<a href="#">144200</a> <a href="#">148067</a> <a href="#">167200</a> <a href="#">600962</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq]

**Other Designations**

cytokeratin 16|focal non-epidermolytic palmoplantar keratoderma|keratin, type I cytoskeletal 16