

# Cytokeratin 19 (KRT19) Rabbit pAb

Catalog No.: A0247

7 Publications

## Basic Information

**Observed MW**

40kDa

**Calculated MW**

44kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IF/ICC

**Cross-Reactivity**

Human, Mouse, Rat

## Background

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

## Recommended Dilutions

<b>WB</b>	1:100 - 1:500
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

**Gene ID**

3880

**Swiss Prot**

P08727

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 210-340 of human Cytokeratin 19 (KRT19) (NP\_002267.2).

**Synonyms**

K19; CK19; K1CS; Cytokeratin 19 (KRT19)

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

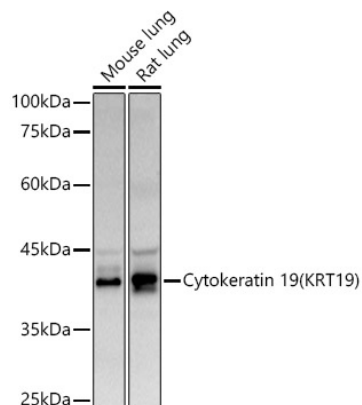
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using Cytokeratin 19 (KRT19) Rabbit pAb (A0247) at 1:500 dilution.

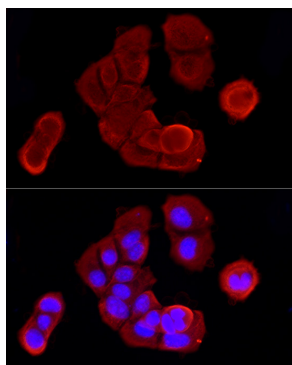
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

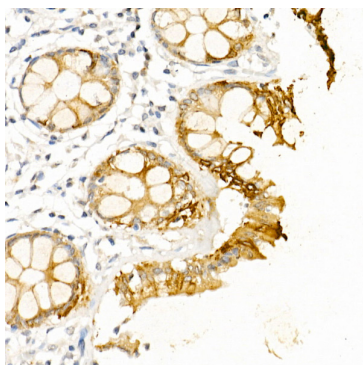
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

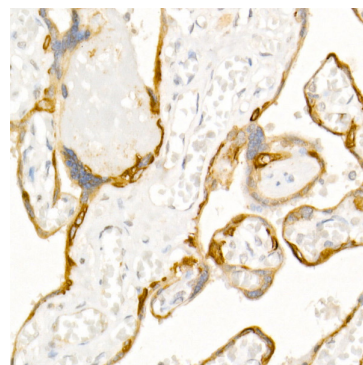
Exposure time: 90s.



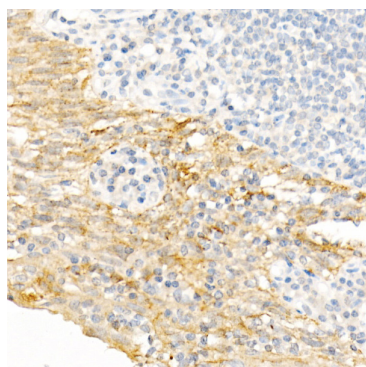
Immunofluorescence analysis of MCF7 cells using Cytokeratin 19 (KRT19) Rabbit pAb (A0247) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of Cytokeratin 19 (KRT19) in paraffin-embedded human colon using Cytokeratin 19 (KRT19) Rabbit pAb (A0247) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Cytokeratin 19 (KRT19) in paraffin-embedded human placenta using Cytokeratin 19 (KRT19) Rabbit pAb (A0247) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Cytokeratin 19 (KRT19) in paraffin-embedded human tonsil using Cytokeratin 19 (KRT19) Rabbit pAb (A0247) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.