

AbboMax, Inc

Innovation at Work

Rabbit anti Cytokeratin-19 (CK-19) Antibody

Synonym: CK19, Keratin-19 (K19), KRT19, MGC15366, K1CS, Keratin type I 40kDa.

Order Information

Description: Rabbit anti CK-19
Catalogue#: 602-670
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu, Ms

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C-terminus of human Cytokeratin protein.

BACKGROUND

Cytokeratin-19 is one member of the type A (acidic) subfamily of low molecular weight keratins. 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 (A) 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. Keratin 19 is not expressed in hepatocytes, therefore, antibody to keratin 19 is useful in the identification of liver metastasis. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumours. Keratin 19 is often co-expressed with keratin 7.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody only recognizes ~40 kDa of human Cytokeratin-19. It also reacts with mouse CK-19 protein. The other species are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 $\mu\text{g/ml}$
ELISA	0.01-0.1 $\mu\text{g/ml}$
Immunoprecipitation	2-5 $\mu\text{g/ml}$
IHC	0.5-2 $\mu\text{g/ml}$
Flow cytometry	Not tested

MOLECULAR WEIGHT:	40 kDa
POSITIVE CONTROL:	MCF-7 cell lysate
CELLULAR LOCATION:	N/A

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS

REFERENCES

Yuan CC, et al. Cytokeratin-19 associated with apoptosis and chemosensitivity in human cervical cancer cells. Apoptosis. 1997; 2(1):101-5.

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com