Product Information Sheet

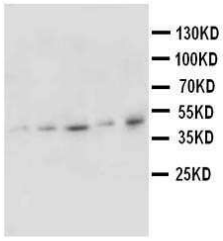
Polyclonal Anti- cytoskeletal 19,*ck19*

Catalogue No. PA1335

Lot No. 0131012153599

Ig type rabbit IgG

Size 100μg/vial



Lane 1 : Mouse Kidney tissue Lysate
Lane 2 : Mouse brain tissue Lysate
Lane 3 : Mouse small intestine tissue Lysate
Lane 4 : Mouse Thymus tissue Lysate
Lane 5 : Mouse Hepa1-6 Whole Cell Lysate

Specificity

Human

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunocytochemistry

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human CK19 (379-392 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	0.5μg/ml	Hu	-	-
IHC-P	0.5μg/ml	Hu	-	By Heat
IHC-F	-	-	-	-
ICC	0.5μg/ml	Hu	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution

0.2ml of distilled water will yield a concentration of 500μg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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BACKGROUND

Keratin, type I cytoskeletal 19 is a protein that in humans is encoded by the KRT19 gene.[1][2]The protein encoded by this gene is a member of the keratin family.It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.[2]Due to its high sensitivity, KRT19 is the most used marker for the RT-PCR-mediated detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients.Keratin 19 is often used together with keratin 8 and keratin 18 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood [3]

REFERENCE

1、Schweizer J, Bowden PE, Coulombe PA, Langbein L, Lane EB, Magin TM, Maltais L, Omary MB, Parry DA, Rogers MA, Wright MW (Jul 2006). "New consensus nomenclature for mammalian keratins". J Cell Biol 174 (2): 169–74.

2、a b "Entrez Gene: KRT19 keratin 19".

3、 W. Jeffrey Allard, Jeri Matera, M. Craig Miller, et al. (October 2004). "Tumor Cells Circulate in the Peripheral Blood of All Major Carcinomas but not in Healthy Subjects or Patients With Nonmalignant Diseases". Clin. Cancer Research 10 (20): 6897–6904.

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