Product datasheet

Anti-Cytokeratin 19/KRT19 Antibody

Catalog Number: *BA4154*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Cytokeratin 19/KRT19 Antibody
Gene Name	KRT19
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cytokeratin 19.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	44 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Keratin, type I cytoskeletal 19 is a protein that in humans is encoded by the KRT19 gene.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. 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.

Reference

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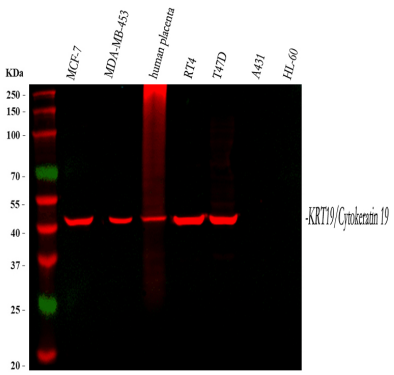
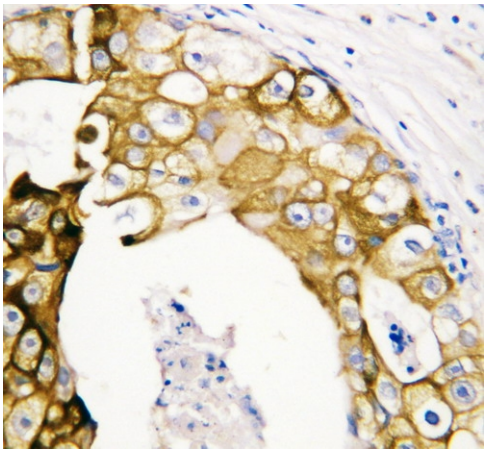
Anti-Cytokeratin 19/KRT19 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Cytokeratin 19/KRT19 using anti-Cytokeratin 19/KRT19 antibody (BA4154). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human MCF-7 whole cell lysates,
Lane 2: human MDA-MB-453 whole cell lysates,
Lane 3: human placenta tissue lysates,
Lane 4: human RT4 whole cell lysates,
Lane 5: human T47D whole cell lysates,
Lane 6: human A431 whole cell lysates,
Lane 7: human HL-60 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cytokeratin 19/KRT19 antigen affinity purified polyclonal antibody (BA4154) at a dilution of 1:1000 and probed with a DyLight 647 Conjugated AffiniPure Goat Anti-rabbit IgG (H+L) secondary antibody (Catalog # BA1150). A specific band was detected for Cytokeratin 19/KRT19 at approximately 44 kDa. The expected band size for Cytokeratin 19/KRT19 is at 44 kDa.



IHC analysis of Cytokeratin 19/KRT19 using anti-Cytokeratin 19/KRT19 antibody (BA4154) .
Cytokeratin 19/KRT19 was detected in a paraffin-embedded section of Human Oesophagus Squama Cancer tissue. The tissue section was incubated with rabbit anti-Cytokeratin 19/KRT19 Antibody (BA4154) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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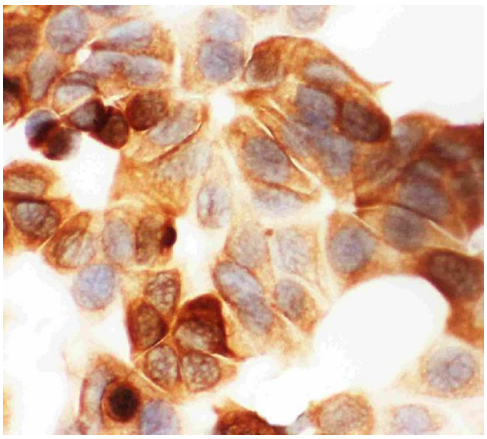

ICC analysis of Cytokeratin 19/KRT19 using anti- Cytokeratin 19/KRT19 antibody (BA4154).
Cytokeratin 19/KRT19 was detected in an immunocytochemical section of MCF-7 cells. The section was incubated with rabbit anti-Cytokeratin 19/KRT19 Antibody (BA4154) at a dilution of 1:100 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.