Product datasheet

Anti-Cytokeratin 8/KRT8 Antibody

Catalog Number: *A01421*

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 8/KRT8 Antibody
Gene Name	KRT8
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human Cytokeratin 8 recombinant protein (Position: D107-K325). Human Cytokeratin 8 shares 95.4% and 94.5% amino acid (aa) sequence identity with mouse and rat Cytokeratin 8, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	54 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 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 II cytoskeletal 8, also known as cytokeratin-8 (CK-8) or keratin-8 (K8) is a keratin protein that is encoded in humans by the KRT8 gene. This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene.

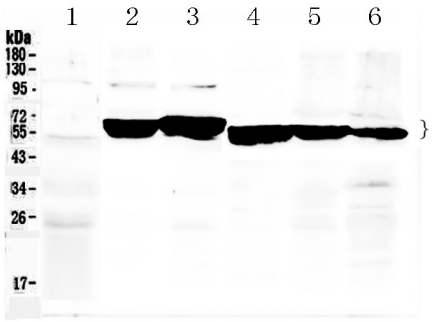
Product datasheet
Anti-Cytokeratin 8/KRT8 Antibody
Catalog Number: ***A01421***

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

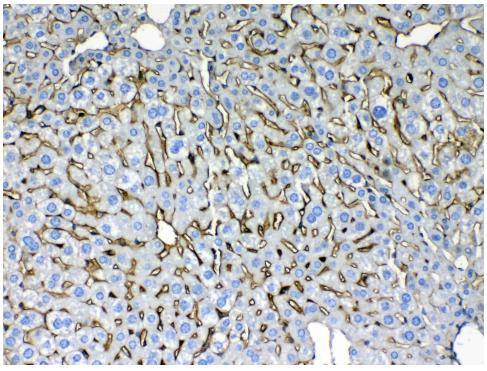
Reference

Anti-Cytokeratin 8/KRT8 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of Cytokeratin 8/KRT8 using anti-Cytokeratin 8/KRT8 antibody (A01421). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat liver tissue lysates,
Lane 2: mouse ovary tissue lysates,
Lane 3: mouse liver tissue lysates,
Lane 4: MCF-7 whole cell lysates,
Lane 5: A549 whole cell lysates,
Lane 6: HELA whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cytokeratin 8/KRT8 antigen affinity purified polyclonal antibody (A01421) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Cytokeratin 8/KRT8 at approximately 54 kDa. The expected band size for Cytokeratin 8/KRT8 is at 54 kDa.



IHC analysis of Cytokeratin 8/KRT8 using anti-Cytokeratin 8/KRT8 antibody (A01421).
Cytokeratin 8/KRT8 was detected in a paraffin-embedded section of mouse liver tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Cytokeratin 8/KRT8 Antibody (A01421) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.