Product datasheet

Anti-ADAMTS5 Antibody

Catalog Number: *A02802-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator,
Wuhan East Lake High-tech Development Zone
Web: www.boster.com ***Phone:*** 027-67845390 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-ADAMTS5 Antibody
Gene Name	ADAMTS5
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB,IHC,ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human ADAMTS5 recombinant protein (Position: D747-K780). Human ADAMTS5 shares 100% amino acid (aa) sequence identity with mouse ADAMTS5.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	75 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

ADAMTS5 (A Disintegrin-Like and Metalloproteinase with Thrombospondin Type 1 Motif, 5), is an enzyme that in humans is encoded by the ADAMTS5 gene. ADAMTS5 is a member of the large ADAMTS family of zinc-dependent proteases. The enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage. By somatic cell hybrid analysis, the human ADAMTS5 gene is mapped to chromosome 21. Used mouse models, it is showed that Sdc4 controls a pathway that activates Adamts5 at the chondrocyte cell surface through Erk1/Erk2 activation of Mmp3.

Reference

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator,
Wuhan East Lake High-tech Development Zone
Web: www.boster.com ***Phone:*** 027-67845390 ***Email:*** boster@boster.com

Anti-ADAMTS5 Antibody被引用在12文献中。

Selected Validation Data

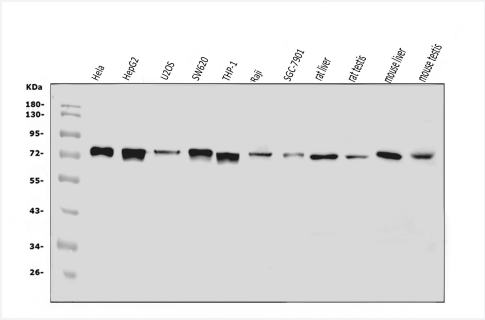

Figure 1. Western blot analysis of anti- ADAMTS5 antibody (A02802-1).The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: Human hela whole cell lysates,
Lane 2: Human hepG2 whole cell lysates,
Lane 3: Human U2OS whole cell lysates,
Lane 4: Human SW620 whole cell lysates,
Lane 5: Human THP-1 whole cell lysates,
Lane 6: Human Raji whole cell lysates,
Lane 7: Human SGC-7901 whole cell lysates,
Lane 8: rat liver tissue lysates,
Lane 9: rat testis tissue lysates,
Lane 10: mouse liver tissue lysates,
Lane 11: mouse testis tissue lysates.
Use rabbit anti- ADAMTS5 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for ADAMTS5 at approximately 75KD. The expected band size for ADAMTS5 is at 102KD.

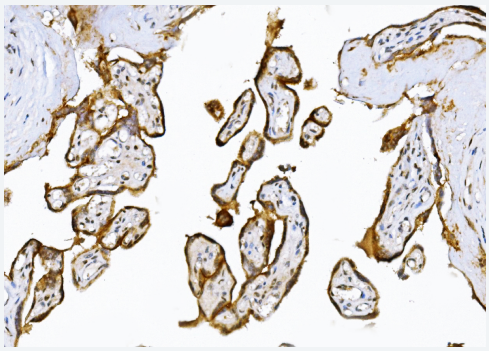

Figure 2. IHC analysis using anti- ADAMTS5 antibody (A02802-1). detected in paraffin-embedded section of human placenta tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.