Product datasheet

Anti-Periostin/POSTN Antibody

Catalog Number: *A01378*

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-Periostin/POSTN Antibody
Gene Name	Postn
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	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 rat Periostin recombinant protein (Position: K577-Q810).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	93 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 ELISA: 1:100-1000 (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

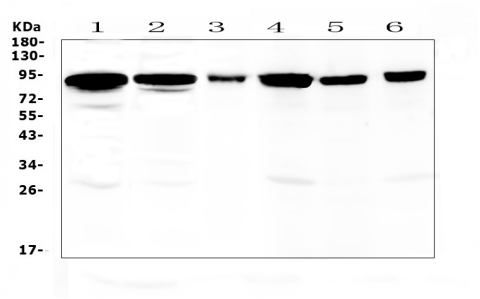
POSTN (Periostin), also known as PN or OSF2, is a protein that in humans is encoded by the POSTN gene. The International Radiation Hybrid Mapping Consortium mapped the POSTN gene to chromosome 13. It was found that purified recombinant PN supported adhesion of ovarian epithelial cells. And periostin was overexpressed by the majority of human primary breast cancers examined. Transfected tumor cell lines overexpressing periostin showed accelerated growth and angiogenesis as xenografts in immunocompromised animals. It was showed that extracellular periostin induced reentry of differentiated mammalian cardiomyocytes into the cell cycle.

Anti-Periostin/POSTN Antibody

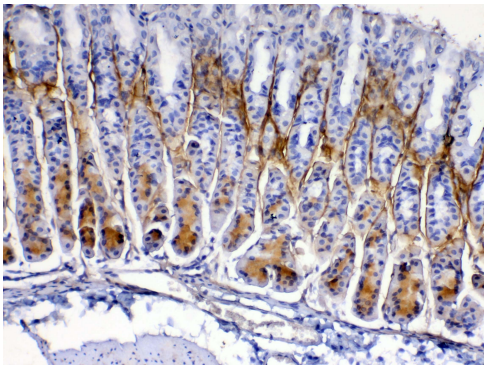
Catalog Number: *A01378*

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

Selected Validation Data



Western blot analysis of Periostin/POSTN using anti-Periostin/POSTN antibody (A01378). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat gaster tissue lysates,
Lane 2: rat lung tissue lysates,
Lane 3: rat NRK whole cell lysates,
Lane 4: mouse gaster tissue lysates,
Lane 5: mouse intestine tissue lysates,
Lane 6: mouse lung tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Periostin/POSTN antigen affinity purified polyclonal antibody (A01378) 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 Periostin/POSTN at approximately 93 kDa. The expected band size for Periostin/POSTN is at 90 kDa.



IHC analysis of Periostin/POSTN using anti-Periostin/POSTN antibody (A01378).
Periostin/POSTN was detected in a paraffin-embedded section of mouse gaster tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Periostin/POSTN Antibody (A01378) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.