

Basic Information

Product Name	Anti-Periostin/POSTN Antibody (Clone#ABIF-16)
Gene Name	POSTN
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Periostin.
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	90 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (FCM):1:20

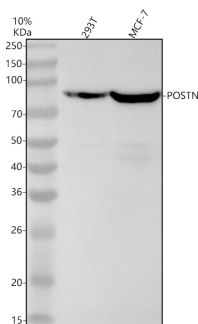
Storage

12 months from date of receipt, -20°C 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.

Selected Validation Data



Western blot analysis of anti-POSTN antibody (BM5183). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human MCF-7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-POSTN antigen affinity purified monoclonal antibody (BM5183) 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 POSTN at approximately 90 kDa. The expected band size for POSTN is at 93 kDa.