Datasheet for ABIN655902

anti-Periostin antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	Periostin (POSTN)
Binding Specificity:	AA 687-716, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Periostin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This POSTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 687-716 amino acids from the C-terminal region of human POSTN.
Clone:	RB18585
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Periostin (POSTN)
Alternative Name:	POSTN (POSTN Products)

Target Details

Background:	POSTN binds to heparin. It induces cell attachment and spreading and plays a role in cell adhesion and may play a role in extracellular matrix mineralization.
Molecular Weight:	93314
Gene ID:	10631
NCBI Accession:	NP_001129406, NP_001129407, NP_001129408, NP_006466
UniProt:	Q15063

Application Details

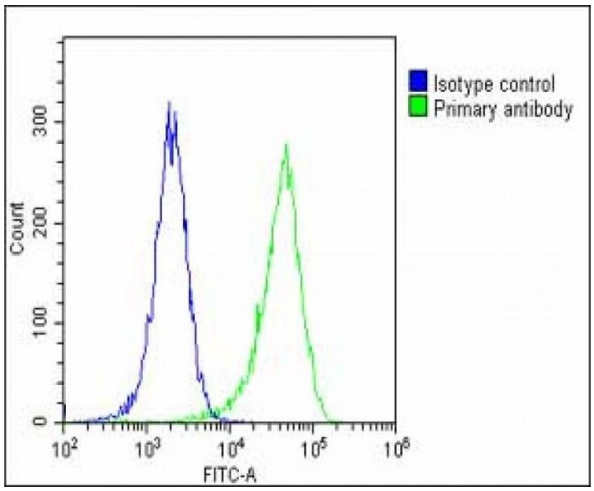
Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:100. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

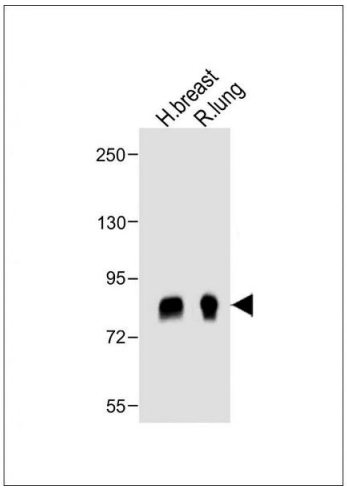
Publications

Product cited in:	Kawakubo-Yasukochi, Morioka, Hazekawa, Yasukochi, Nishinakagawa, Ono, Kawano, Nakamura, Nakashima: "miR-200c-3p spreads invasive capacity in human oral squamous cell carcinoma microenvironment." in: **Molecular carcinogenesis**, Vol. 57, Issue 2, pp. 295-302, (2018) (PubMed).



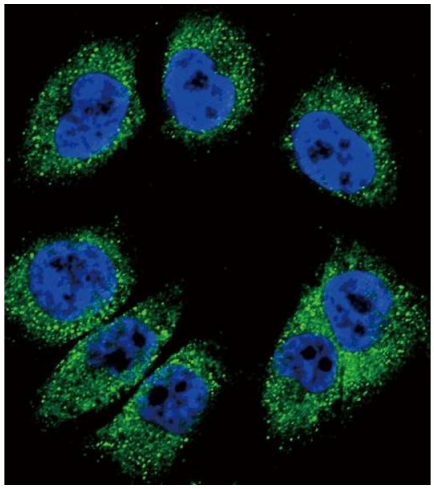
Flow Cytometry

Image 1. Overlay histogram showing Hela cells stained with B(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (B, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti- POSTN Antibody (C-term) at 1:1000 dilution Lane 1: human breast lysate Lane 2: rat lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of POSTN Antibody (C-term) (ABIN655902 and ABIN2845302) with cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 5 images are available for ABIN655902.