

Anti-CD62P/SELP Antibody

Catalog Number: PA1715

About SELP

P-Selectin, also called CD62, GRMP, GMP140 is a 140-kD adhesion molecule, expressed at the surface of activated cells, that mediates the interaction of activated endothelial cells or platelets with leukocytes. The P-Selectin gene is mapped on 1q24.2. P-selectin plays an essential role in the initial recruitment of leukocytes (white blood cells) to the site of injury during inflammation. P-selectin is also very important in the recruitment and aggregation of platelets at areas of vascular injury. In quiescent platelet, P-selectin is located on the inner wall of alpha-granules. Sorting nexin-17 interacts with the cytosolic domain of P-selectin and suggested that SNX17 may function in the intracellular trafficking of P-selectin. P-selectin expression was found to be significantly and positively correlated with carotid artery stiffness and wall thickness, and the percentage of P-selectin-positive platelets was significantly higher in patients with carotid plaque.

Overview

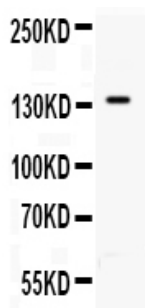
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|----------------------|---|
| Product Name | Anti-CD62P/SELP Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-CD62P/SELP Antibody catalog # PA1715. Tested in IHC, WB applications. This antibody reacts with Human. |
| Application | IHC, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P16109 |

Technical Details

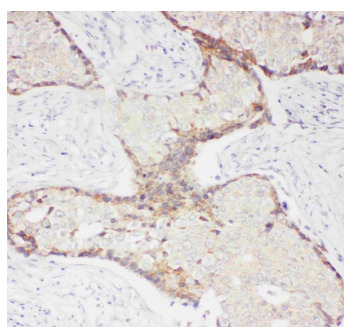
| | |
|-------------------------------|--|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human CD62P. |
| Predicted Reactive Species | Hamster |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P). |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Lyophilized |

| | |
|---------------------|--|
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human</p> |

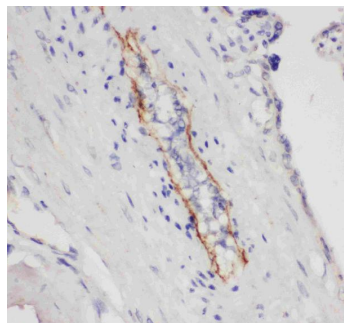
Anti-CD62P/SELP Antibody (PA1715) Images



Anti-CD62P antibody, PA1715, Western blotting
All lanes: Anti CD62P (PA1715) at 0.5ug/ml
WB: PANC Whole Cell Lysate at 40ug
Predicted bind size: 91KD
Observed bind size: 140KD



Anti-CD62P antibody, PA1715, IHC(P)
IHC(P): Human Mammary Cancer Tissue



Anti-CD62P antibody, PA1715, IHC(P)
IHC(P): Human Placenta Tissue

2 Publications Citing This Product

1. PubMed ID: 33253922, Shu G, Lu C, Wang Z, Du Y, Xu X, Xu M, Zhao Z, Chen M, Dai Y, Weng Q, Fang S, Fan K, Liu D, Du Y, Ji J. Fucoidan-based micelles as P-selectin targeted carriers for synergistic treatment of acute kidney injury. *Nanomedicine*. 2020 Nov 27;102342.doi:10.1016/j.nano.2020.10

2. PubMed ID: 24734087, Plasma Vitamin D Status and Its Correlation with Risk Factors of Thrombosis, P-selectin and hs-CRP Level in Patients with Venous Thromboembolism; the First Study of Iranian Population

Visit bosterbio.com/anti-cd62p-antibody-pa1715-boster.html to see all 2 publications.

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