

Anti-P-Selectin Antibody

Catalog # ABO11025

Product Information

Application	WB, IHC-P
Primary Accession	P16109
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for P-selectin(SELP) detection. Tested with WB, IHC-P in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6403
Other Names	P-selectin, CD62 antigen-like family member P, Granule membrane protein 140, GMP-140, Leukocyte-endothelial cell adhesion molecule 3, LECAM3, Platelet activation dependent granule-external membrane protein, PADGEM, CD62P, SELP, GMRP, GRMP
Calculated MW	90820
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.
Source	Eukaryota
Protein Name	P-selectin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD62P(49-66aa KAYSWNISRKYCQNRD).
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the selectin/LECAM family.

Protein Information

Name	SELP
Synonyms	GMRP, GRMP
Function	Ca(2+)-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. Mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. Mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with SELPLG. Mediates cell-cell interactions and cell adhesion via the interaction with integrin alpha-IIb/beta3 (ITGA2B:ITGB3) and integrin alpha-V/beta-3 (ITGAV:ITGB3) (PubMed: 37184585).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface

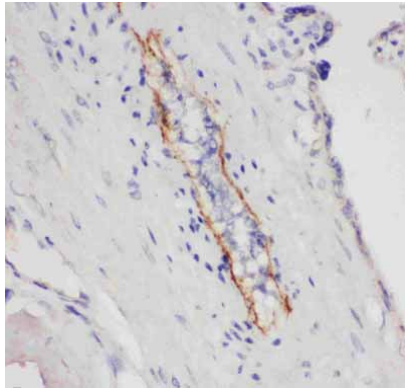
Background

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.

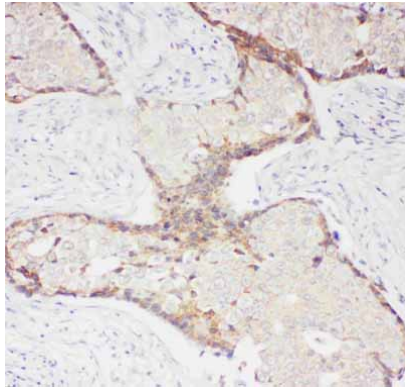
Images



Anti- CD62P antibody, ABO11025, Western blotting
lanes: Anti CD62P (ABO11025) at 0.5ug/mlWB: PANC
Whole Cell Lysate at 40ug
Predicted bind size:
91KDObserved bind size: 140KD



Anti- CD62P antibody, ABO11025, IHC(P)IHC(P): Human Placenta Tissue



Anti- CD62P antibody, ABO11025, IHC(P)IHC(P): Human Mammary Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.