

Rabbit PF4 Polyclonal Antibody | anti-PF4 antibody

Anti-PF4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46652	Rabbit	Mouse, Rat No cross reactivity with other proteins.	ELISA, Immunohistochemistry, Western Blot

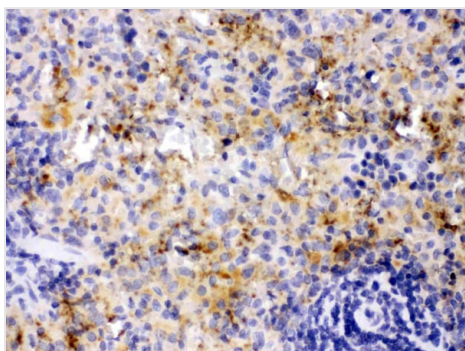
PRODUCT SYNONYMS

PF4; Polyclonal Antibody; Anti-PF4 Antibody; Platelet factor 4(PF4); Platelet factor 4(PF-4); platelet factor4; CXCL4; Iroplact; OncostatinA; Oncostatin-A; PF-4; PLF4; SCYB 4; SCYB4; P02776; Platelet factor 4; anti-PF4 antibody

PRODUCT SPECIFICATIONS

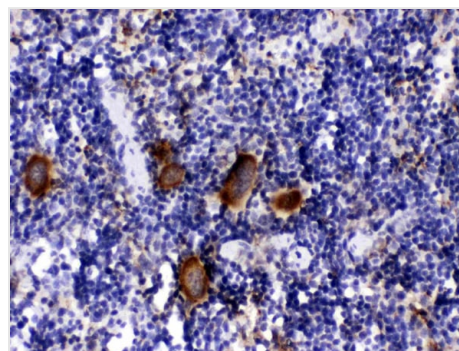
Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	105
Applicable Applications for anti-PF4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived mouse PF4 recombinant protein (Position: V30-S105). Mouse PF4 shares 74.3% and 86.8% amino acid (aa) sequence identity with human and rat PF4, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



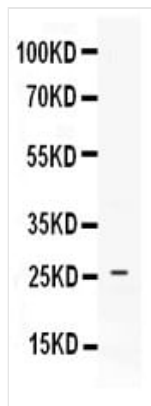
IHC (Immunohistochemistry)

PF4 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-PF4 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

PF4 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-PF4 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of PF4 expression in mouse skeletal muscle extract (lane 1). PF4 at 26KD was detected using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PF4 antibody	Rabbit IgG polyclonal antibody for Platelet factor 4 (PF4) detection. Background: Platelet factor 4 (PF4) is a small cytokine belonging to the CXC chemokine family that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). By in situ hybridization, the CXCL4 gene is mapped to chromosome 4q12-q21. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair.
References	1. Eisman, R., Surrey, S., Ramachandran, B., Schwartz, E., Poncz, M. Structural and functional comparison of the genes for human platelet factor 4 and PF4-alt. Blood 76: 336-344, 1990. 2. Griffin, C. A., Emanuel, B. S., LaRocco, P., Schwartz, E., Poncz, M. Human platelet factor 4 gene is mapped to 4q12-q21. Cytogenet. Cell Genet. 45: 67-69, 1987. 3. Lambert, M. P., Rauova, L., Bailey, M., Sola-Visner, M. C., Kowalska, M. A., Poncz, M. Platelet factor 4 is a negative autocrine in vivo regulator of megakaryopoiesis: clinical and therapeutic implications. Blood 110: 1153-1160, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9910486
NCBI GeneID	56744
NCBI Accession #	NP_064316.1
NCBI GenBank Nucleotide #	NM_019932.4
UniProt Accession #	Q9Z126
Molecular Weight	11,243 Da
NCBI Official Full Name	platelet factor 4
NCBI Official Synonym Full Names	platelet factor 4
NCBI Official Symbol	Pf4
NCBI Official Synonym Symbols	Cxcl4; Scyb4
NCBI Protein Information	platelet factor 4
UniProt Protein Name	Platelet factor 4
UniProt Gene Name	Pf4
UniProt Synonym Gene Names	Cxcl4; Scyb4; PF-4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pf4-antibody-immunohistochemistry-western-blot-elisa/46652>