

Datasheet for ABIN3043213
anti-PF4 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	PF4
Binding Specificity:	AA 85-101, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PF4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Platelet factor 4 PF4 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PF4.
Sequence:	DLQAPLYKKI IKKLLES
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Platelet factor 4 PF4 Antibody (ABIN3043213). Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: PF4

Alternative Name: PF4 ([PF4 Products](#))

Background: Synonyms: Platelet factor 4,PF-4,C-X-C motif chemokine 4,Iroplact,Oncostatin-A,Platelet factor 4, short form,PF4,CXCL4, SCYB4,
Tissue Specificity: Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.
Background: CXCL4, Chemokine (C-X-C motif) ligand 4, is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. CXCL4 belongs to the CXC chemokine family. The CXCL4 gene contains 3 exons spanning approximately 1 kb. The gene is encoded on a 10-kb EcoRI fragment of genomic DNA. 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.
Sequence Similarities: Belongs to the intercrine alpha (chemokine CxC) family.

Molecular Weight: 50 kDa

UniProt: [P02776](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Western blot, 0.1-0.5 µg/mL, Human
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.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

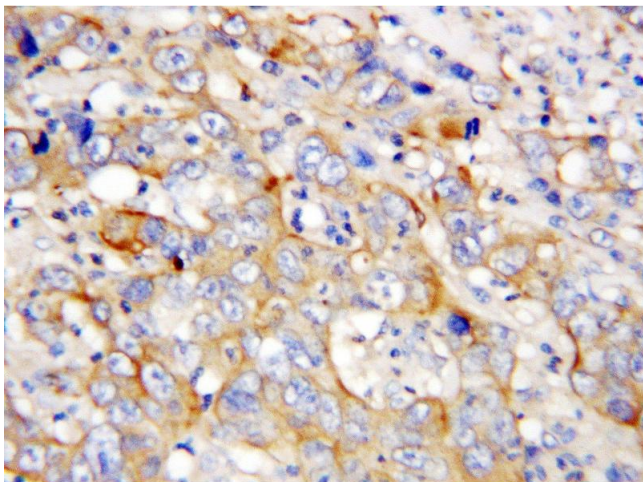
ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

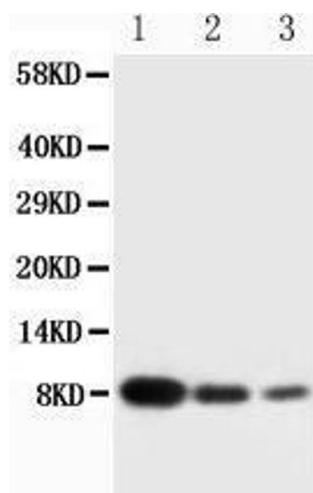
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-PF4 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2. Anti-PF4 antibody, Western blotting Lane 1: Recombinant Human CXCL4 Protein 10ng Lane 2: Recombinant Human CXCL4 Protein 5ng Lane 3: Recombinant Human CXCL4 Protein 2.5ng