

Datasheet for ABIN4886693
anti-PF4 antibody (AA 30-105)

3 Images

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Overview

Quantity:	100 µg
Target:	PF4
Binding Specificity:	AA 30-105
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Platelet factor 4(PF4) detection. Tested with WB, IHC-P, ELISA in Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Platelet factor 4(PF4) detection. Tested with WB, IHC-P, ELISA in Mouse,Rat.</p> <p>Gene Name: platelet factor 4</p> <p>Protein Name: Platelet factor 4</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	PF4
Alternative Name:	PF4 (PF4 Products)
Background:	<p>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.</p> <p>Synonyms: Platelet factor 4(PF4) Platelet factor 4(PF-4) platelet factor4 CXCL4 Iroplact OncostatinA Oncostatin-A PF4 PF-4 PLF4 SCYB 4 SCYB4 P02776</p>
Gene ID:	56744
UniProt:	Q9Z126

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by 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 Na2HPO4, 0.05 mg Sodium azide.

Handling

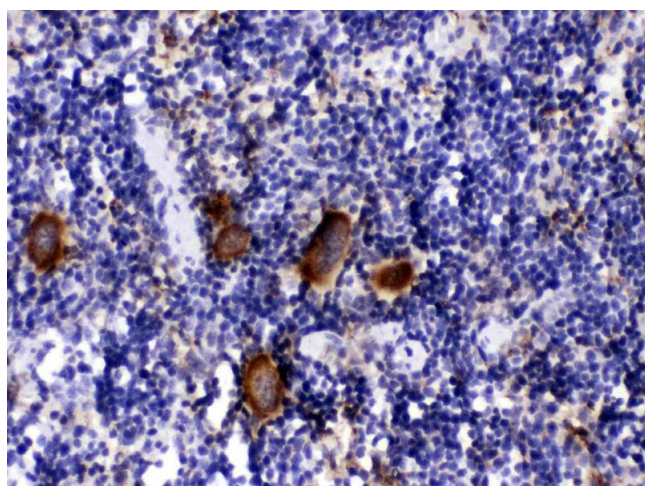
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.

Images



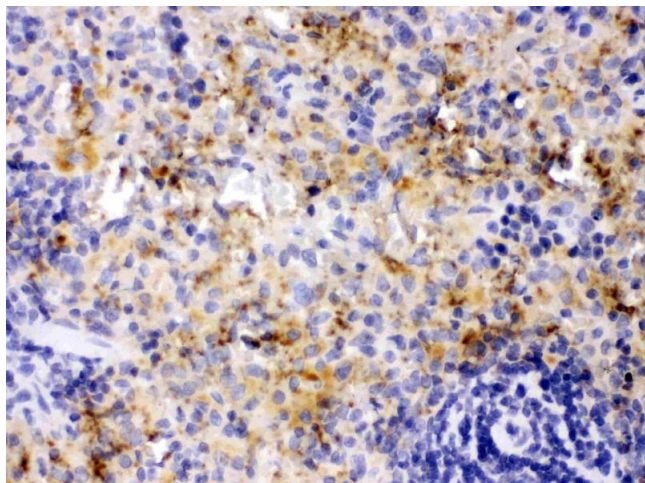
Western Blotting

Image 1. 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 (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Immunohistochemistry

Image 2. PF4 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. PF4 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti- PF4 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).