

Datasheet for ABIN351496

## anti-PF4 antibody



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### Overview

Quantity:	50 µg
Target:	PF4
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This PF4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Brand:	IHC-plus™
Immunogen:	Platelet Factor 4 (PF4) purified from human platelet releasate.
Isotype:	IgG
Specificity:	Recognizes human PF4.
Purification:	Immunoaffinity purified

### Target Details

Target:	PF4
Alternative Name:	CXCL4 / PF4 ( <a href="#">PF4 Products</a> )
Background:	Name/Gene ID: PF4

## Target Details

Subfamily: Interocrine alpha

Family: Interocrine

Synonyms: PF4, C-X-C motif chemokine 4, CXCL4, Iroplact, Oncostatin-A, PF-4, SCYB4, Platelet factor 4

Gene ID: 5196

UniProt: [P02776](#)

## Application Details

Application Notes: Approved: ELISA, IHC, IHC-P (5 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.01 M HEPES, pH 7.4, 0.15 M sodium chloride, 50 % glycerol. No preservative added.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C, -20 °C

Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.

## Publications

Product cited in: Wang, Kojima, Mobley, West: "Proteomic analysis of urinary extracellular vesicles reveal

biomarkers for neurologic disease." in: **EBioMedicine**, Vol. 45, pp. 351-361, (2019) ([PubMed](#)).

Preusse-Prange, Modrow, Schwark, von Wurmb-Schwark: "Detection of constitutive and inducible HSP70 proteins in formalin fixed human brain tissue." in: **Forensic science international**, Vol. 235, pp. 62-7, (2014) ([PubMed](#)).

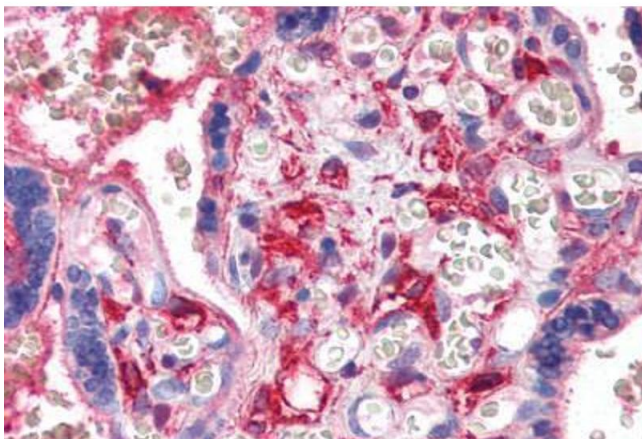
Morshed, Ma, Latif, Davies: "How one TSH receptor antibody induces thyrocyte proliferation while another induces apoptosis." in: **Journal of autoimmunity**, Vol. 47, pp. 17-24, (2013) ([PubMed](#)).

Sun, Prince, Manjarrez, Scroggins, Matts: "Characterization of the interaction of Aha1 with components of the Hsp90 chaperone machine and client proteins." in: **Biochimica et biophysica acta**, Vol. 1823, Issue 6, pp. 1092-101, (2012) ([PubMed](#)).

Modrow, Preusse-Prange, Meyer, Harder, Schwark, von Wurmb-Schwark: "Highly reliable quantification of proteins such as members of the HSP70 superfamily based on the grey scale index via immune detection stained bands on a Western blot." in: **Forensic science international**, Vol. 222, Issue 1-3, pp. 256-8, (2012) ([PubMed](#)).

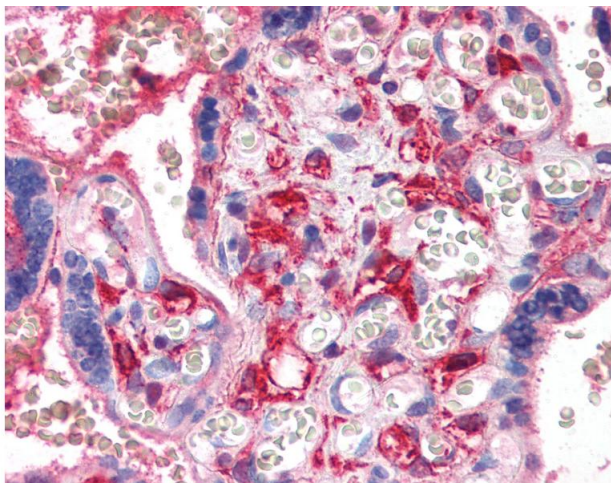
## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Placenta (formalin-fixed, paraffin-embedded) stained with PF4 antibody ABIN351496 at 5 ug/ml followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



#### Immunohistochemistry

**Image 2.** Anti-PF4 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.