

Datasheet for ABIN3044533  
**anti-CXCL7 antibody (AA 55-128)**



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2 Images

## Overview

Quantity:	100 µg
Target:	CXCL7 (PPBP)
Binding Specificity:	AA 55-128
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCL7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Platelet basic protein(PPBP) detection. Tested with WB, IHC-P, ELISA in Human.
Immunogen:	E. coli-derived humn NAP2 recombinant protein (Position: S55-D128).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Platelet basic protein(PPBP) detection. Tested with WB, IHC-P, ELISA in Human.</p> <p>Gene Name: pro-platelet basic protein</p> <p>Protein Name: Platelet basic protein</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	CXCL7 (PPBP)
Alternative Name:	PPBP ( <a href="#">PPBP Products</a> )
Background:	<p>Chemokine (C-X-C motif) ligand 7 (CXCL7), also known as NAP2 or Pro-Platelet basic protein (PPBP), is a human gene. The protein encoded by this gene is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells. Furthermore, the protein is an antimicrobial protein with bactericidal and antifungal activity.</p> <p>Synonyms: B TG1 antibody Beta TG antibody Beta thromboglobulin antibody Beta-TG antibody C-X-C motif chemokine 7 antibody Chemokine (C X C motif) ligand 7 antibody Connective tissue activating peptide III antibody CTAP 3 antibody CTAP III antibody CTAP-III antibody CTAP-III(1-81) antibody CTAP3 antibody CTAPIII antibody CXC chemokine ligand 7 antibody CXCL 7 antibody CXCL7 antibody CXCL7_HUMAN antibody LA PF 4 antibody LA-PF4 antibody LDGF antibody Leukocyte derived growth factor antibody Leukocyte-derived growth factor antibody Low-affinity platelet factor IV antibody Macrophage-derived growth factor antibody MDGF antibody NAP 2 antibody NAP-2 antibody NAP-2(1-63) antibody NAP-2(1-66) antibody NAP-2(73) antibody NAP-2(74) antibody Neutrophil activating peptide 2 antibody  Neutrophil-activating peptide 2(1-63) antibody PBPA antibody Platelet basic protein antibody PPBP antibody Pro platelet basic protein (chemokine (C-X-C motif) ligand 7) antibody Pro platelet basic protein antibody SCYB7 antibody Small inducible cytokine subfamily B member 7 antibody Small-inducible cytokine B7 antibody TC1 antibody TC2 antibody TGB antibody TGB1 antibody THBGB antibody THBGB1 antibody Thrombocidin 1 antibody Thrombocidin 2 antibody Thromboglobulin, beta-1 antibody</p>
Gene ID:	5473
UniProt:	<a href="#">P02775</a>

## Application Details

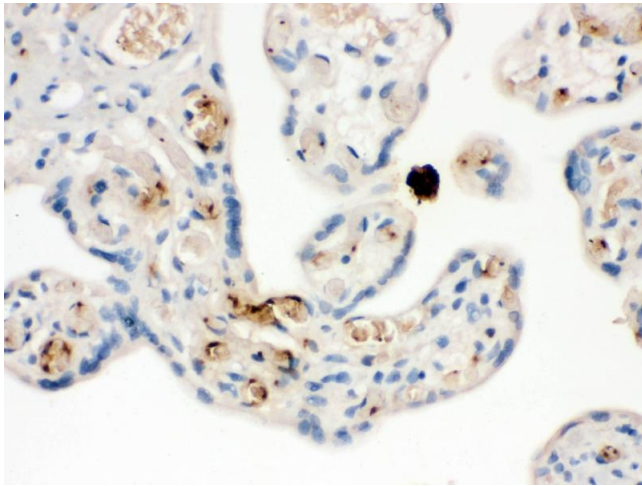
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
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Application Details

	ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
	Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
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.
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.



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** NAP2 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- NAP2 Antigen Affinity purified polyclonal antibody at 1 µg/mL. The immunohistochemical section was developed using SABC method



**Western Blotting**

**Image 2.** Western blot analysis of NAP2 expression in MCF-7 whole cell lysates (lane 1). NAP2 at 19KD was detected using rabbit anti- NAP2 Antigen Affinity purified polyclonal antibody at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method