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Anti-NAP2 Picoband Antibody
Catalog # ABO12564

Specification

Anti-NAP2 Picoband Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P02775
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Platelet basic protein(PPBP) detection. Tested with WB, IHC-P, ELISA in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-NAP2 Picoband Antibody - Additional Information

Gene ID 5473

Other Names
Platelet basic protein, PBP, C-X-C motif chemokine 7, Leukocyte-derived growth factor, LDGF, Macrophage-derived growth factor, MDGF, Small-inducible cytokine B7, Connective tissue-activating peptide III, CTAP-III, LA-PF4, Low-affinity platelet factor IV, TC-2, Connective tissue-activating peptide III(1-81), CTAP-III(1-81), Beta-thromboglobulin, Beta-TG, Neutrophil-activating peptide 2(74), NAP-2(74), Neutrophil-activating peptide 2(73), NAP-2(73), Neutrophil-activating peptide 2, NAP-2, TC-1, Neutrophil-activating peptide 2(1-66), NAP-2(1-66), Neutrophil-activating peptide 2(1-63), NAP-2(1-63), PPBP, CTAP3, CXCL7, SCYB7, TGB1, THBGB1

Calculated MW
13894 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

ELISA , 0.1-0.5 µg/ml, Human, -

Subcellular Localization
Secreted.

Protein Name
Platelet basic protein

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived humn NAP2 recombinant protein (Position: S55-D128).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Anti-NAP2 Picoband Antibody - Protein Information

Name PPBP

Synonyms CTAP3, CXCL7, SCYB7, TGB1, THBGB1

Function
LA-PF4 stimulates 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 human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.

Cellular Location
Secreted.

Anti-NAP2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NAP2 Picoband Antibody - Images

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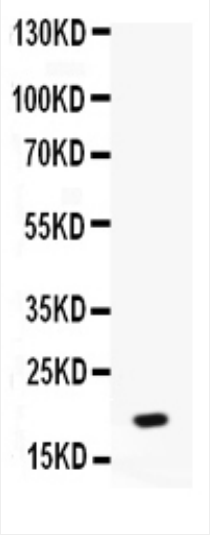
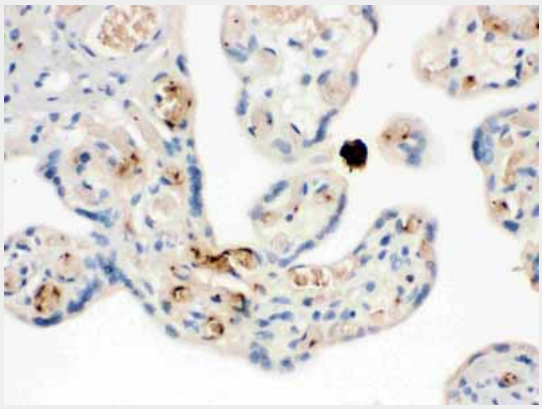


Western blot analysis of NAP2 expression in MCF-7 whole cell lysates (lane 1). NAP2 at 19KD was detected using rabbit anti- NAP2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12564) at0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .



NAP2 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti-NAP2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12564) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-NAP2 Picoband Antibody - Background

Chemokine (C-X-C motif) ligand 7Â (CXCL7), also known as NAP2 or Pro-Platelet basic proteinÂ (PPBP), is a humanÂ 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.