

Rabbit NAP2 Polyclonal Antibody | anti-NAP2 antibody

Anti-NAP2 Picoband antibody

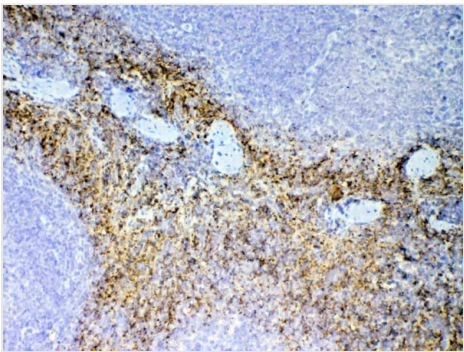
CATALOG # AAA124694	HOST Rabbit	REACTIVITY Mouse No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

NAP2; Polyclonal Antibody; Anti-NAP2 Picoband antibody; Chemokine (C-X-C motif) ligand 7; isoform CRA_b; Chemokine subfamily B Cys-X-Cys; Platelet basic protein; Pro-platelet basic protein; Putative uncharacterized protein; Thymus chemokine 1; Ppbp; Cxcl7; mCG_1702; anti-NAP2 antibody

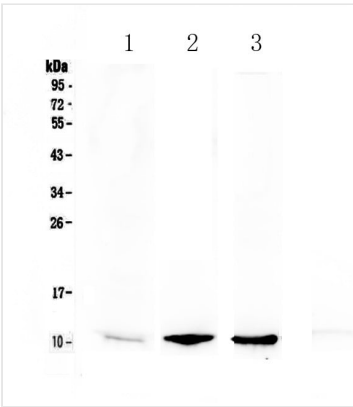
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	113
Applicable Applications for anti-NAP2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse NAP2 recombinant protein (Position: K40-Y113).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of NAP2 using anti-NAP2 antibody (AAA124694). NAP2 was detected in paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-NAP2 Antibody (AAA124694) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of NAP2 using anti-NAP2 antibody (AAA124694). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse bone tissue lysates, Lane 2: mouse lung tissue lysates, Lane 3: mouse spleen tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NAP2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NAP2 at approximately 11KD. The expected band size for NAP2 is at 14KD.

ADDITIONAL INFORMATION

Related Product Information for anti-NAP2 antibody	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.
Product Categories/Family for anti-NAP2 antibody	Cardiovascular; Blood; Platelets; Immunology; Innate Immunity; Chemokines; Alpha Chemokines (CXC); Kits/Lysates/Other; ELISA Kits; Cytokines and Cytokine Receptors ELISA Kits; Growth Factors and Hormones ELISA Kits; Cardiovascular ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	12963823
NCBI GeneID	57349
NCBI Accession #	NP_076274.1
NCBI GenBank Nucleotide #	NM_023785.3
UniProt Accession #	Q9EQI5
Molecular Weight	12252 MW
NCBI Official Full Name	platelet basic protein
NCBI Official Synonym Full Names	pro-platelet basic protein
NCBI Official Symbol	Pbbp

NCBI Official Synonym Symbols	TGB; LDGF; MDGF; TGB1; CTAP3; Cxcl7; NAP-2; Scyb7; b-TG1; LA-PF4; THBGB1; CTAPIII; beta-TG; AI854500; NAP-2-L1; 2400003M24Rik
NCBI Protein Information	platelet basic protein
UniProt Protein Name	Chemokine (C-X-C motif) ligand 7, isoform CRA_b
UniProt Gene Name	Pbbp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nap2-antibody-western-blot-immunohistochemistry-elisa/124694>