

Rabbit anti-Human Fibronectin/FN1 Polyclonal Antibody | anti-FN1 antibody

Anti-Fibronectin/FN1 Antibody Picoband

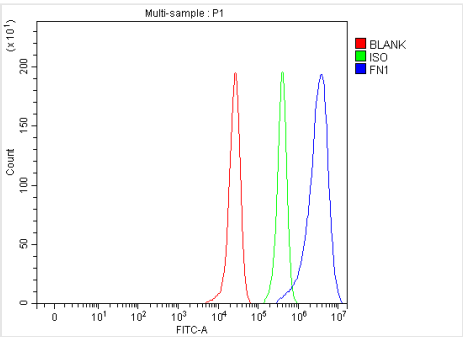
CATALOG # AAA126997	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

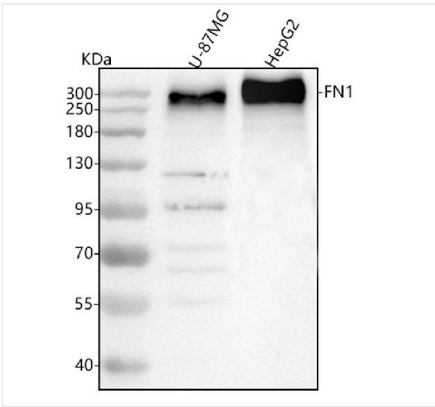
Fibronectin/FN1; Polyclonal Antibody; Anti-Fibronectin/FN1 Antibody Picoband; anti-FN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-FN1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human Fibronectin/FN1 recombinant protein (Position: D869-W2014). Human FN1 shares 91.2% and 91.4% amino acid (aa) sequence identity with mouse and rat FN1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-Fibronectin/FN1 antibody (AAA126997).Overlay histogram showing HepG2 cells stained with AAA126997 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Fibronectin/FN1 Antibody (AAA126997, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Fibronectin/FN1 using anti-Fibronectin/FN1 antibody (AAA126997).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 30 ug of sample under reducing conditions.Lane 1: human U-87MG whole cell lysates,Lane 2: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-Fibronectin/FN1 antigen affinity purified polyclonal antibody (#AAA126997) 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 1:5000 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 Fibronectin/FN1 at approximately 272 kDa. The expected band size for Fibronectin/FN1 is at 272 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FN1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-FN1 antibody	Primary Antibodies
References	1. Bing, D. H., Almeda, S., Isliker, H., Lahav, J., Hynes, R. O. Fibronectin binds to the C1q component of complement. Proc. Nat. Acad. Sci. 79: 4198-4201, 1982.2. Castelletti, F., Donadelli, R., Banterla, F., Hildebrandt, F., Zipfel, P. F., Bresin, E., Otto, E., Skerka, C., Renieri, A., Todeschini, M., Caprioli, J., Caruso, M. R., Artuso, R., Remuzzi, G., Noris, M. Mutations in FN1 cause glomerulopathy with fibronectin deposits. Proc. Nat. Acad. Sci. 105: 2538-2543, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933542
NCBI GeneID	2335
NCBI Accession #	NP_002017.1
NCBI GenBank Nucleotide #	NM_002026.2
UniProt Accession #	P02751; O95609; O95610; Q14312; Q14325; Q14326; Q17RV7; Q585T2; Q59EH1; Q60FE4; Q68DP8; Q68DP9
Molecular Weight	262,625 Da
NCBI Official Full Name	fibronectin isoform 3 preproprotein
NCBI Official Synonym Full Names	fibronectin 1
NCBI Official Symbol	FN1
NCBI Official Synonym Symbols	FN; CIG; FNZ; MSF; ED-B; FINC; GFND; LETS; GFND2

NCBI Protein Information	fibronectin; cold-insoluble globulin; migration-stimulating factor
UniProt Protein Name	Fibronectin
UniProt Gene Name	FN1
UniProt Synonym Gene Names	FN; FN; CIG
UniProt Entry Name	FINC_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fibronectin-fn1-antibody-western-blot-flow-cytometry-elisa/126997>