

Product Datasheet

Fibronectin/FN1 Rabbit Polyclonal Antibody (orb1972560)

Catalog Number	orb1972560
Category	Antibodies
Description	Anti-Fibronectin/FN1 Antibody. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human.
Target	Fibronectin
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Buffer/Preservatives	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
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.

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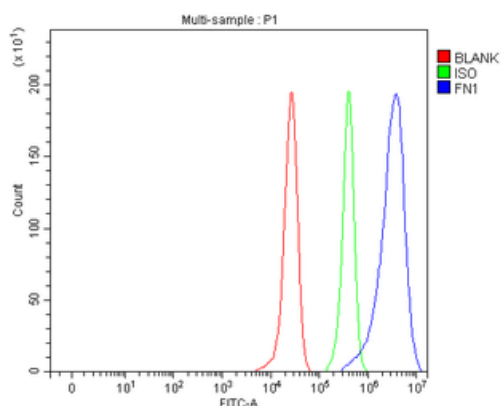
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UniProt ID	P02751
MW	272 kDa
Tested applications	ELISA, FC, WB
Dilution range	Western blot, 0.25-0.5 µg/ml, Human Flow Cytometry (Fixed), 1-3 µg /1x10 ⁶ cells, Human ELISA, 0.1-0.5 µg/ml
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow Cytometry analysis of HepG2 cells using anti-Fibronectin/FN1 antibody. Overlay histogram showing HepG2 cells (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 (1 µg/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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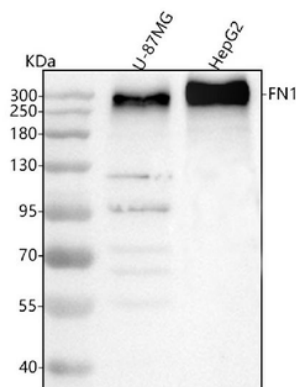
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Western blot analysis of Fibronectin/FN1 using anti-Fibronectin/FN1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample 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 at 0.5 μ g/mL overnight at 4°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.

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