

Anti-Fibronectin FN1 Antibody

Catalog Number: A00564-2

About FN1

Transcriptional regulator that binds to DNA as a dimer or as a tetramer, but not as a monomer. Binds to G-doublets in an A/T-rich environment; the preferred motif is a tandem repeat of 5'-ATTGGTTA-3' combined with a 5'-TTATTA-3' box. Binds to nucleosomes By similarity. Binds to chromatin and interacts selectively with histone H3 that is not methylated at 'Lys-4', not phosphorylated at 'Thr-3' and not methylated at 'Arg-2'. Functions as a sensor of histone H3 modifications that are important for the epigenetic regulation of gene expression. Functions as a transcriptional activator and promotes the expression of otherwise tissue-specific self-antigens in the thymus, which is important for self tolerance and the avoidance of autoimmune reactions.

Nagamine K., Nat. Genet. 17:393-398(1997).

Aaltonen J., Nat. Genet. 17:399-403(1997).

Hattori M., Nature 405:311-319(2000).

Overview

Product Name	Anti-Fibronectin FN1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Fibronectin FN1 Antibody catalog # A00564-2. Tested in WB,ICC/IF,IHC applications. This antibody reacts with Human.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02751

Technical Details

Immunogen	Synthesized peptide derived from human FANCD2 around the phosphorylation site of S222.
Predicted Reactive Species	Canine, Monkey
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:1,000 ICC: 1:100-1:500 IHC: 1:50-1:200

Anti-Fibronectin FN1 Antibody (A00564-2) Images

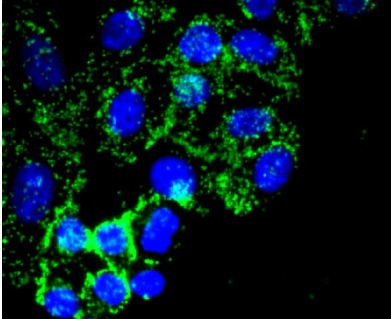


Figure 1. Immunocytochemistry staining of FN1 using Anti-Fibronectin FN1 Antibody (A00564-2).

ICC staining Fibronectin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

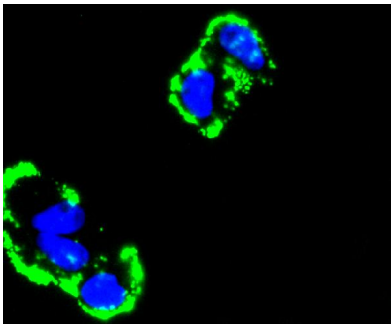


Figure 2. Immunocytochemistry staining of FN1 using Anti-Fibronectin FN1 Antibody (A00564-2).

ICC staining Fibronectin in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

1 Publications Citing This Product

1. PubMed ID: 33389493, Xu L, Sun N, Li G, Liu L. LncRNA H19 promotes keloid formation through targeting the miR-769-5p/EIF3A pathway. Mol Cell Biochem. 2021 Jan 3. doi:10.1007/s11010-020-04024-x. Epub ahead of print. PMID:33389493.

Visit bosterbio.com/anti-fibronectin-fn1-antibody-a00564-2-boster.html to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Fibronectin FN1 Antibody