**BACKGROUND**

Fibronectin is an extracellular matrix glycoprotein present on most cell surfaces, in extracellular fluids and in plasma. A high molecular weight heterodimeric protein, it was originally discovered as a protein missing from the surfaces of virus-transformed cells, and it has been shown to be involved in various functions including cell adhesion, cell motility and wound healing. Alternative splicing and glycosylation give rise to several different forms of Fibronectin, some of which exhibit restricted tissue distribution or association with malignancies. It has been shown that myofibroblast phenotype formation correlates with the occurrence of glycosylated Fibronectin and fibronectin splice variants in Dupuytren’s disease.

**CHROMOSOMAL LOCATION**

Genetic locus: FN1 (human) mapping to 2q35; Fn1 (mouse) mapping to 1C3.

**SOURCE**

Fibronectin (H-300) is a rabbit polyclonal antibody raised against amino acids 2087-2386 mapping at the C-terminus of Fibronectin of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

Fibronectin (H-300) is recommended for detection of Fibronectin of mouse, rat, human, Xenopus laevis and zebrafish origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Fibronectin (H-300) is also recommended for detection of Fibronectin in additional species, including equine, canine, bovine and porcine.


Molecular Weight of Fibronectin: 220 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, CCD-106Sk cell lysate: sc-2263 or 3611-RF whole cell lysate: sc-2215.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**DATA**

**SELECT PRODUCT CITATIONS**

10. Su, S., et al. 2015. miR-142-5p and miR-130a-3p are regulated by IL-4 and IL-13 and control profibrogenic macrophage program. Nat. Commun. 6: 8523.

**PROTOCOLS**

See our website at www.scbt.com or our catalog for detailed protocols and support products.

**DATA**

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