**BACKGROUND**

Small leucine-rich proteoglycans (SLRPs) such as Decorin, Biglycan, Fibromodulin and Lumican mediate extracellular matrix organization and are binding partners of TGFβ. Fibromodulin is a collagen-binding keratan sulphate proteoglycan that influences adhesion processes of connective tissue and plays a role in fibrillogenesis by regulating collagen fibril spacing and thickness. The core proteins of SLRPs consist of a central region of leucine-rich repeats flanked by disulfide-linkages of the terminal domains. Fibromodulin is an ubiquitous protein that is most prominent in articular cartilage, tendon and ligament. The human Fibromodulin gene maps to chromosome 1q32.1 and encodes a 376 amino acid protein.

**CHROMOSOMAL LOCATION**

Genetic locus: FMOD (human) mapping to 1q32.1; Fmod (mouse) mapping to 1 E4.

**SOURCE**

Fibromodulin (H-50) is a rabbit polyclonal antibody raised against amino acids 301-350 mapping near the C-terminus of Fibromodulin 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**

Fibromodulin (H-50) is recommended for detection of Fibromodulin of mouse, rat and human 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).

Fibromodulin (H-50) is also recommended for detection of Fibromodulin in additional species, including equine, canine, bovine and porcine.


Molecular Weight of Fibromodulin: 67 kDa.

Positive Controls: Fibromodulin (h2): 293T Lysate: sc-170151.

**RESEARCH USE**

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

**STORAGE**

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

**DATA**

![Fibromodulin (H-50) Western blot analysis](image)

**SELECT PRODUCT CITATIONS**


**MONOS Satisfaction Guaranteed**

Try Fibromodulin (H-11): sc-166406 or Fibromodulin (E-12): sc-166498, our highly recommended monoclonal alternatives to Fibromodulin (H-50).