**Background**

Fibulin-1 is a modular glycoprotein component of elastic extracellular matrix fibers, basement membranes and blood. It can bind calcium, Fibronectin, Laminin, Nidogen and Fibrinogen. Estrogen exposure to ovarian cancer cell lines can upregulate Fibulin-1. Fibulin-2 is abundant in heart, placenta and ovarian tissue and binds several components of the extracellular matrix including aggrecan, versican and brevican. Fibulin-3, also known as EFEMP1, is a secreted protein. Defects in the gene for Fibulin-3 cause the autosomal dominant disease Doyle honeycomb retinal dystrophy (DHRD, also known as malattia levantinese) which is characterized by yellow-white deposits (drusen) that accumulate under the retinal pigment epithelium. Fibulin-3 is not present at the site of drusen formation in normal eyes. Fibulin-5 is an integrin-binding extracellular matrix protein that mediates endothelial cell adhesion.

**Chromosomal Location**


**Source**

Fibulin-3 (C-3) is a mouse monoclonal antibody raised against amino acids 67-215 mapping near the N-terminus of Fibulin-3 of human origin.

**Product**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Fibulin-3 (C-3) is available conjugated to agarose (sc-365224 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-365224 HRP), 200 µg/ml, for WB, HRP and ELISA; to either phycoerythrin (sc-365224 PE), fluorescein (sc-365224 FITC), Alexa Fluor® 488 (sc-365224 AF488), Alexa Fluor® 546 (sc-365224 AF546), Alexa Fluor® 594 (sc-365224 AF594) or Alexa Fluor® 647 (sc-365224 AF647), 200 µg/ml, for WB (RGB), IF, HRP and FC; and to either Alexa Fluor® 680 (sc-365224 AF680) or Alexa Fluor® 790 (sc-365224 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FC.

**Research Use**

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

**Applications**

Fibulin-3 (C-3) is recommended for detection of Fibulin-3 of 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Fibulin-3 siRNA (h): sc-44624, Fibulin-3 shRNA Plasmid (h): sc-46244-SH and Fibulin-3 shRNA (h) Lentiviral Particles: sc-46244-V.

Molecular Weight of Fibulin-3: 55 kDa.

Positive Controls: HUV-EC-C whole cell lysate: sc-364180 or A549 cell lysate: sc-2413.

**Recommended Support Reagents**

To ensure optimal results, the following support reagents are recommended:


**Data**

![Western blot analysis of Fibulin-3 expression in HUV-EC-C(A) and A549(B) whole cell lysates.](image)

![Immunoperoxidase staining of formalin fixed, paraffin-embedded human bone marrow tissue showing cytoplasmic staining of hematopoietic cells and extracellular staining of fibrous tissue.](image)

**Select Product Citations**


**Storage**

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

**Protocols**

See our web site at www.scbt.com for detailed protocols and support products.

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