**BACKGROUND**

Cell adhesion to extracellular matrix is an important physiological stimulus for organization of the actin-based cytoskeleton. Adhesion to the matrix glycoprotein Thrombospondin-1 triggers the sustained formation of F-actin microspikes that contain the actin-bundling protein fascin. These structures are also implicated in cell migration, which may be an important function of Thrombospondin-1 in tissue remodelling and wound repair. Fascin bundles actin microfilaments within dynamic cellular structures such as microspikes, stress fibers and membrane ruffles. Fascin could serve as a prognostic factor for abnormal ovarian epithelial pathology and could be a novel target for the treatment of ovarian cancer. Fascin, an actin-bundling protein, identifies dendritic cells in the blood and in tissues.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: FSCN1 (human) mapping to 7p22.1; Fscn1 (mouse) mapping to 5 G2.

**SOURCE**

Fascin 1 (S-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Fascin 1 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.

Blocking peptide available for competition studies, sc-16578 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

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

**APPLICATIONS**

Fascin 1 (S-18) is recommended for detection of Fascin 1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Fascin 1 (S-18) is also recommended for detection of Fascin 1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Fascin 1 siRNA (h): sc-35359, Fascin 1 siRNA (m): sc-35360, Fascin 1 shRNA Plasmid (h): sc-35359-SH, Fascin 1 shRNA Plasmid (m): sc-35360-SH, Fascin 1 shRNA (h) Lentiviral Particles: sc-35359-V and Fascin 1 shRNA (m) Lentiviral Particles: sc-35360-V.

Molecular Weight of Fascin 1: 55 kDa.

Positive Controls: MES-SA/Dx5 cell lysate: sc-2284, HeLa whole cell lysate: sc-2200 or U-87 MG cell lysate: sc-2411.

**RECOMMENDED SECONDARY REAGENTS**

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

**DATA**

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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