

# Flotillin-1 Monoclonal Antibody(6C10)

Catalog # AP63380

#### **Product Information**

Application WB
Primary Accession P02751
Reactivity Mouse, Rat
Host Mouse
Clonality Monoclonal
Calculated MW 272320

#### **Additional Information**

**Gene ID** 2335

Other Names FN1; FN; Fibronectin; FN; Cold-insoluble globulin; CIG

**Dilution** WB~~WB: 1:1000-2000

Format PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50%

Glycerol.

Storage Conditions -20°C

#### **Protein Information**

Name FN1 ( HGNC:3778)

Synonyms FN

**Function** Fibronectins bind cell surfaces and various compounds including collagen,

fibrin, heparin, DNA, and actin (PubMed:3024962, PubMed:3593230, PubMed:3900070, PubMed:7989369). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell

shape (PubMed:3024962, PubMed:3593230, PubMed:3900070,

PubMed: 7989369). Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization (By similarity). Participates in the regulation of type I collagen deposition by osteoblasts (By similarity). Acts as a ligand for the LILRB4 receptor, inhibiting FCGR1A/CD64-mediated monocyte activation

(PubMed: 34089617).

**Cellular Location** Secreted, extracellular space, extracellular matrix. Secreted

{ECO:0000250 | UniProtKB:P11276}

**Tissue Location** Expressed in the inner limiting membrane and around blood vessels in the

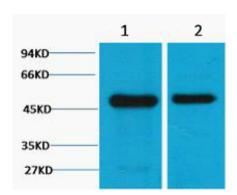
retina (at protein level) (PubMed:29777959) Plasma FN (soluble dimeric form)

is secreted by hepatocytes. Cellular FN (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix. Ugl-Y1, Ugl-Y2 and Ugl-Y3 are found in urine (PubMed:17614963).

## **Background**

Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts.

### **Images**



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain tissue, diluted at 1:2000.

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