



Fibronectin (8th Type III Repeat) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone 568] Catalog # AH11226

## **Product Information**

Application IHC, IF, FC
Primary Accession P02751
Other Accession 2335, 203717
Reactivity Human
Host Mouse
Clonality Monoclonal

**Isotype** Mouse / IgG1, kappa

Clone Names 568 Calculated MW 272320

### Additional Information

**Gene ID** 2335

Other Names Fibronectin, FN, Cold-insoluble globulin, CIG, Anastellin, Ugl-Y1, Ugl-Y2,

Ugl-Y3, FN1, FN

**Application Note** IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50

**Storage** Store at 2 to 8°C.Antibody is stable for 24 months.

**Precautions** Fibronectin (8th Type III Repeat) Antibody - With BSA and Azide is for

research use only and not for use in diagnostic or therapeutic procedures.

#### **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).

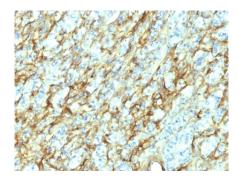
# **Background**

Epitope of this MAb is located in the 8th type III repeat in the cell-binding region of fibronectin. Fibronectins are disulfide-linked, dimeric glycoproteins of ~440kDa. They possess at least four binding sites for collagen, glycosaminoglycans, transglutaminase, and a cell surface receptor. Fibronectins are involved in cell adhesion, tissue organization, and wound healing. Fibronectins are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors. This MAb is excellent for staining of formalin-fixed, paraffin-embedded tissues.

### References

Christensen, L., et al., APMIS, 98(7), 615-623 (1990). | Christensen, L., et al., APMIS, suppl. 26, 1-39 (1992). | Ljubimov AV et. al. Lab Investigation, 1995; 72:461-473

## **Images**



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Fibronectin Monoclonal Antibody (568).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.