

# Fibronectin Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AD80289

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P02751</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG2a                  |
| Clone Names       | 868E2A3                |
| Calculated MW     | 272320                 |

## Additional Information

|             |  |
|-------------|--|
| Gene ID     | 2335   |
| Gene Name   | FN1  |
| Other Names | Fibronectin, FN, Cold-insoluble globulin, CIG, Anastellin, Ugl-Y1, Ugl-Y2, Ugl-Y3, FN1, FN             |
| Dilution    | IHC~~1:100~500   |
| Storage     | Maintain refrigerated at 2-8°C.  |
| Precautions | Fibronectin Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

|                   |   |
|-------------------|---|
| Name              | FN1 ( <a href="#">HGNC:3778</a> )   |
| Synonyms          | FN  |
| Function          | Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin (PubMed: <a href="#">3024962</a> , PubMed: <a href="#">3593230</a> , PubMed: <a href="#">3900070</a> , PubMed: <a href="#">7989369</a> ). Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape (PubMed: <a href="#">3024962</a> , PubMed: <a href="#">3593230</a> , PubMed: <a href="#">3900070</a> , PubMed: <a href="#">7989369</a> ). 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: <a href="#">34089617</a> ). |
| 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).

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