

Anti-Fibronectin Antibody

Catalog # ABO10495

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P04937
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Fibronectin, fibronectin 1 (FN1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;mouse;chicken. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Other Names	Fibronectin, FN, Anastellin, Fn1
Calculated MW	272511
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, chicken, mouse, By Heat Immunocytochemistry , 1 μ g/ml, Human, chicken, mouse, - Immunohistochemistry(Frozen Section), 1-2 μ g/ml, Human, chicken, mouse, - Western blot, 1-2 μ g/ml, Human, chicken, mouse
Subcellular Localization	Secreted, extracellular space, extracellular matrix.
Tissue Specificity	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.
Source	Eukaryota
Protein Name	Fibronectin
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	FN-15
Immunogen	Fibronectin from human plasma.
Purification	Ascites

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Contains 12 fibronectin type-I domains.

Protein Information

Name	Fn1 {ECO:0000312 RGD:2624}
Function	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 (By similarity). 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 (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P11276}. Secreted {ECO:0000250 UniProtKB:P11276}

Background

Fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. Cellular fibronectin is a 550KDa glycoprotein existing as two heterodimers, different from plasma fibronectin in the presence of additional polypeptide segments and in altering morphology of transformed cells and hemagglutination.

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