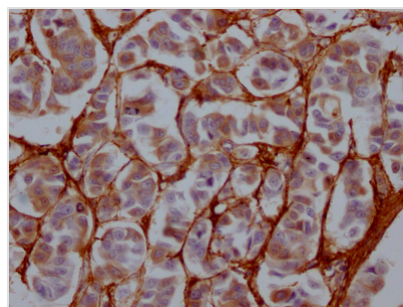




# FN1 Antibody

<b>Product Code</b>	CSB-RA921689A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P02751
<b>Immunogen</b>	A synthesized peptide derived from human Fibronectin
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cancer; Cardiovascular; Developmental biology; Signal transduction; Stem cells
<b>Gene Names</b>	FN1
<b>Accession NO.</b>	1E1

## Image



IHC image of CSB-RA921689A0HU diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Description

FN1 is an extracellular matrix (ECM) component that, through binding integrin receptors of the cell surface, acts as a key player in the communication between



the intracellular and the extracellular environment, thus controlling cell behavior. FN1 is broadly expressed in embryos and in adult tissue. It generally regulates a wide spectrum of cellular and matrix-related functions that play crucial roles during development, including cell adhesion, migration, growth, differentiation, and tissue repair. FN1 also mediates wound healing, fibrosis, hemostasis, and tumor progression.

The recombinant FN1 antibody was produced by cloning antibody genes into an expression vectors, which were subsequently introduced into mammalian cells to provide animal-free antibody production. This FN1 antibody has been validated in ELISA, IHC. It has the features of improved affinity, stability, and consistency between different batches.