

## ARG55953 anti-Fibronectin antibody [HFN7.1]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [HFN7.1] recognizes Fibronectin
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	HFN7.1
Isotype	IgG1, kappa
Target Name	Fibronectin
Species	Human
Immunogen	Purified Human Fibronectin.
Conjugation	Un-conjugated
Alternate Names	ED-B; CIG; GFND; Cold-insoluble globulin; FNZ; LETS; GFND2; Fibronectin; MSF; FINC; FN

### Application Instructions

Application table	Application	Dilution
	FACS	0.5 - 1 µg/10 <sup>6</sup> cells
	ICC/IF	0.5 - 1 µg/ml
	IHC-P	0.5 - 1 µg/ml

**Application Note** Antigen retrieval for IHC-P: Boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

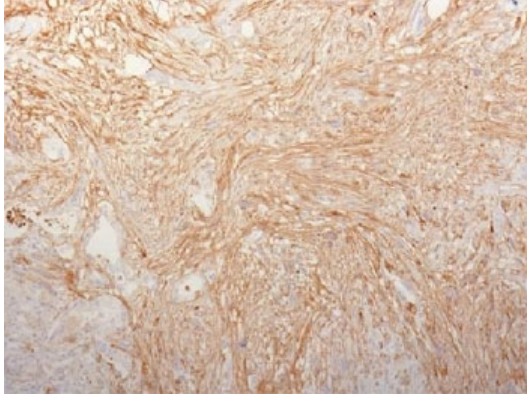
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

Database links	<a href="#">GeneID: 2335 Human</a> <a href="#">Swiss-port # P02751 Human</a>
Gene Symbol	FN1
Gene Full Name	fibronectin 1
Background	This gene encodes 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. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants. However, the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]
Function	<p>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.</p> <p>Anastellin binds fibronectin and induces fibril formation. This fibronectin polymer, named superfibronectin, exhibits enhanced adhesive properties. Both anastellin and superfibronectin inhibit tumor growth, angiogenesis and metastasis. Anastellin activates p38 MAPK and inhibits lysophospholipid signaling. [UniProt]</p>
Highlight	<p>Related products: <a href="#">Fibronectin antibodies</a>; <a href="#">Fibronectin ELISA Kits</a>; <a href="#">Fibronectin Duos / Panels</a>; <a href="#">Anti-Mouse IgG secondary antibodies</a>;</p> <p>Related news: <a href="#">New antibody panels for Myofibroblasts and CAFs</a></p>
Calculated Mw	272 kDa
PTM	<p>Sulfated.</p> <p>It is not known whether both or only one of Thr-2064 and Thr-2065 are/is glycosylated.</p> <p>Forms covalent cross-links mediated by a transglutaminase, such as F13A or TGM2, between a glutamine and the epsilon-amino group of a lysine residue, forming homopolymers and heteropolymers (e.g. fibrinogen-fibronectin, collagen-fibronectin heteropolymers).</p> <p>Phosphorylated by FAM20C in the extracellular medium.</p> <p>Proteolytic processing produces the C-terminal NC1 peptide, anastellin.</p> <p>Some lysine residues are oxidized to allysine by LOXL3, promoting fibronectin activation and matrix formation.</p>
Cellular Localization	Connective tissue matrix



ARG55953 anti-Fibronectin antibody [HFN7.1] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded pancreatic adenocarcinoma stained with ARG55953 anti-Fibronectin antibody [HFN7.1].