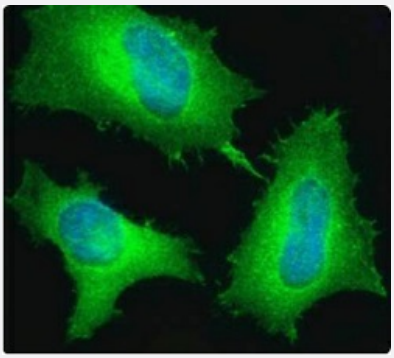
RecomAb™

FN1 recombinant monoclonal antibody, clone A2

Catalog # RAB03422 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Hela cells with FN1 recombinant monoclonal antibody, clone A2 (Cat # RAB03422).
Immunofluorescence analysis of paraformaldehyde fixed Hela cells permeabilized with 0.15% Triton stained with the chimeric r version of RAB03422 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/mL), showing endoplasmic reticular staining. The nuclear stain is DAPI (blue). The negative control was stained with unimmunized r antibody followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FN1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against fibronectin from lysate of human melanoma COLO-38 cells.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence Immunohistochemistry (Frozen sections) Western Blot The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Frozen sections)
- Immunofluorescence

  Immunofluorescent staining of Hela cells with FN1 recombinant monoclonal antibody, clone A2 (Cat # RAB03422). Immunofluorescence analysis of paraformaldehyde fixed Hela cells permeabilized with 0.15% Triton stained with the chimeric r version of RAB03422 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/mL), showing endoplasmic reticular staining. The nuclear stain is DAPI (blue). The negative control was stained with unimmunized r antibody followed by Alexa Fluor® 488 secondary antibody.
- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — FN1

Entrez GeneID	2335
Gene Name	FN1
Gene Alias	CIG, DKFZp686F10164, DKFZp686H0342, DKFZp686I1370, DKFZp686O13149, ED-B, FINC, FN, FNZ, GFND, GFND2, LETS, MSF
Gene Description	fibronectin 1
Omim ID	135600
Gene Ontology	Hyperlink
Gene Summary	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 i n cell adhesion and migration processes including embryogenesis, wound healing, blood coagula tion, 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 var iants has not been determined. [provided by RefSeq
Other Designations	cold-insoluble globulin|migration-stimulating factor

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Pathway

- ECM-receptor interaction
- Focal adhesion
- Pathways in cancer
- Regulation of actin cytoskeleton
- Small cell lung cancer

Disease

- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Cleft Lip
- Cleft Palate
- Coronary Disease
- Cryoglobulinemia
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Hepatitis C
- Kidney Failure
- Lung Neoplasms

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- Lymphoma
- Nephrolithiasis
- Obstetric Labor
- Ovarian Neoplasms
- Pre-Eclampsia
- Premature Birth
- Pulmonary Disease
- Schizophrenia
- Thyroid Neoplasms

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