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Product datasheet for BM422

Fibronectin (FN1) (Matrix) Mouse Monoclonal Antibody [Clone ID: EP5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP5
Applications:	IHC
Recommended Dilution:	**Immunohistochemistry on Frozen Sections.** **Immunohistochemistry on Paraffin Embedded Sections:** 1/25-1/100. Requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Native Human Fibronectin (matrix)
Specificity:	Recognizes Fibronectin specifically in connective tissues and vessels. No reactivity with the soluble dimeric form of Fibronectin (plasma Fibronectin), but highly reactive with matrix Fibronectin. Animal biodistribution experiments have shown that after intravenous administration,*EP-5* antibody localizes to tumor vessels where it binds to the underlying basement membrane. At the same time the antigen recognized by *EP-5* antibody is not accessible in normal tissue to circulating antibody indicating that this antibody can be used to target tumor vessels specifically *in vivo.*
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

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Stability: Shelf life: one year from despatch.

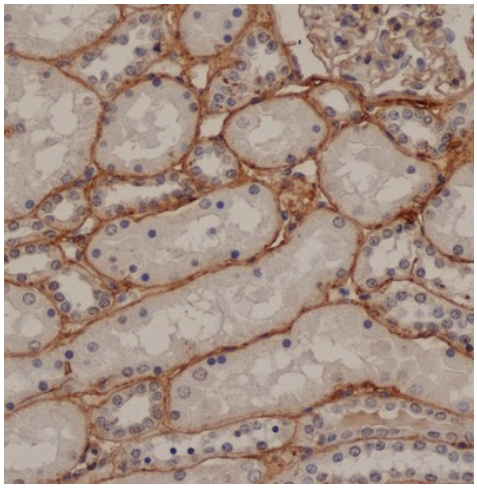
Gene Name: fibronectin 1

Database Link: Entrez Gene 2335 Human
P02751

Background: Fibronectin is 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. They occur as dimers of two 250 kDa subunits. They have binding domains for bacterial proteins, collagens, heparin-like molecules and fibrin. Cellular fibronectin is widely distributed in the stroma of malignant tumours. Fibronectin is organized as a linear series of repeating modules which form domains for interaction with fibronectin itself, other matrix components (e.g. collagen and heparin) and receptors on cells (e.g. integrins).

Synonyms: FN1, Cold-insoluble globulin, CIG

Product images:



Staining of paraffin embedded human kidney with Mouse anti Human Fibronectin following citrate antigen retrieval