Datasheet for ABIN7126426

anti-Fibronectin 1 antibody

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Overview

Quantity:	100 µg
Target:	Fibronectin 1 (FN1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Fibronectin 1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	High molecular weight proteins secreted by cultivated human fibroblasts
Isotype:	IgG2a
Specificity:	Fibronectins are disulfide-linked, dimeric glycoproteins of ~440 kDa. They possess at least four binding sites for collagen, glycosaminoglycans, transglutaminase, and a cell surface receptor. Epitope of this MAb is located in the 29 kDa N-terminal fibrin- and heparin-binding domain of fibronectin. It does not cross-react with MMP-2, MMP-9, or TIMP-2. Fibronectins are involved in cell adhesion, tissue organization, and wound healing. Fibronectins are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors.
Cross-Reactivity (Details):	Human and Pig.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Fibronectin 1 (FN1)
Alternative Name:	FN1 (FN1 Products)
Background:	Cold insoluble globulin (CIG), FINC, FN1, FNZ, GFND, GFND2, LETS, Migration stimulating factor (MSF), Ugl-Y3,Fibronectin (Fibrin/Heparin-Binding Domain) Cellular localisation: Connective tissue matrix
Molecular Weight:	220kDa (monomer), 440kDa (dimer)
Gene ID:	2335, 203717
UniProt:	P02751
Pathways:	Cellular Response to Molecule of Bacterial Origin, Carbohydrate Homeostasis, Autophagy

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Positive_Control: SW156 cells. Prostate or Kidney.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months