Datasheet for ABIN7126423

# anti-Fibronectin 1 antibody

Go to Product page

## Overview

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| Quantity: | 100 µg |
| Target: | Fibronectin 1 (FN1) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Fibronectin 1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Immunoprecipitation (IP) |

## Product Details

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| Immunogen: | Human plasma fibronectin |
| Isotype: | IgG1 |
| Specificity: | Fibronectin is an extracellular matrix glycoprotein present on most cell surfaces, in extracellular fluids and in plasma. A high molecular weight heterodimeric protein, it was originally discovered as a protein missing from the surfaces of virus-transformed cells, and it has been shown to be involved in various functions including cell adhesion, cell motility and wound healing. Alternative splicing and glycosylation give rise to several different forms of Fibronectin, some of which exhibit restricted tissue distribution or association with malignancies. It has been shown that myofibroblast phenotype formation correlates with the occurrence of glycosylated Fibronectin and Fibronectin splice variants in Dupuytren's disease. |
| Cross-Reactivity (Details): | Human. Monkey. Porcine. Bovine. Equine. Avian. Amphibian. |

## Product Details

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| Purification: | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. |

## Target Details

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| 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 (Total)<br>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

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| Application Notes: | Known_Application: Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), ,Western Blot (1-2 µg/mL),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.<br>Positive_Control: SW156 cells. Human kidney. |
| Restrictions: | For Research Use only |

## Handling

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| 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. |

## Handling

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| Expiry Date: | 24 months |