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Fibronectin, rat - Nordic MUBio

nordicmubio.com/product/fibronectin-rat-2

Fibronectin, rat

Catalogue number: **FI24941-0.1**

Product Type	Primary Antibodies
Units	0.1 ml
Host	Rabbit
Application	ELISA Immunofluorescence Immunohistochemistry (paraffin) Radioimmunoassay Western Blotting

Background

This antibody may be used to identify fibronectin during wound healing, during tumour progression, and tumour invasion respectively. Fibronectins are glycoproteins, which occur as dimers of two 200 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. Rat fibronectin 100%, rat collagen type I, II, III, IV and V <0.1%, rat elastin <0.1% (RIA at 1:5000 dilution).

Source

Immunogen: Purified fibronectin from rat plasma

Product

Affinity purified antibody lyophilized from phosphate buffered solution (non-sterile). Contains antimycotic substance, but no BSA and sodium azide! Reconstitute with 0.5 ml of sterile water and store aliquots at -20°C. For further dilution use appropriate antibody diluent, e.g. Art. No. PU002 for IHC.

Purification Method: Affinity purified antibody lyophilized from phosphate buffered solution (non-sterile). Contains antimycotic substance, but no BSA and sodium azide! Reconstitute with 0.5 ml of sterile water and store aliquots at -20°C. For further dilution use appropriate antibody diluent, e.g. Art. No. PU002 for IHC.

Concentration: app. 1 mg/ml

Secondary Reagents: Anti-rabbit IgG-conjugates, e.g. anti-rabbit IgG:FITC (Art. No. FI-1000) or anti-rabbit IgG:DyLight488 (Art. No. DI-1488).

Specificity

Species Reactivity: Rat

Applications

IHC(P), IFA, ELISA, RIA, IB (WB)

Incubation Time: IHC(P) 60 min at RT or 2-8°C over night

Working Concentration: (purified, lyophilized) IFA ? 1:80, IHC(P) ? 1:1000, ELISA ? 1:200 (OD ? 500)

Pre-Treatment: After de-waxing the tissue slices they are treated with 0.2% hyaluronidase (app. 300 U/mg e.g. Art. No. HYA02-50) in TBS 15 min at 37°C. There after non-specific binding is blocked by blocking serum or 3% BSA in TBS. For peroxidase systems blocking with 1% peroxide solution in TBS for 30 min at RT is recommended.

Positive Control: Rat skin

Storage

-20°C

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

References

1. Pankov R and Yamada KM (2002) Fibronectin at a glance. J Cell Sci. Oct 15;115(Pt 20):3861-3863. 2. Labat-Robert J (2002) Fibronectin in malignancy. Semin Cancer Biol. Jun;12(3):187-95.

Protein Reference(s)

Database Name: UniProt

Accession number: P04937 (FINC_RAT)

Species Accession: Rat

Safety Datasheet(s) for this product:

NM_Sodium Azide

</wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf>