

Datasheet: VPA00045

Description:	SHEEP ANTI FIBRONECTIN
Specificity:	FIBRONECTIN
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Sheep polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Highly pure human fibronectin.
External Database Links	UniProt: P02751 Related reagents Entrez Gene: 2335 FN1 Related reagents
Synonyms	FN

Specificity **Sheep anti Human fibronectin antibody** detects human fibronectin, a multidomain protein involved in the connection of cells to the extracellular matrix. Fibronectin is mostly found in dimeric form, consisting of two nearly identical polypeptide chains linked by a pair of C-terminal disulfide bonds. Each fibronectin monomer has a molecular weight of 230–250 kDa. Fibronectin can bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectin is present in the body in two forms; plasma fibronectin (soluble dimeric form) is secreted by hepatocytes, whilst cellular fibronectin (dimeric or cross-linked multimeric forms), made by fibroblasts, epithelial and other cell types, is deposited as fibrils in the extracellular matrix.

Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing and blood coagulation ([Schwarzbauer and DiSimone, 2011](#)) as well as pathologies such as metastasis ([Van Obberghen-Schilling *et al.* 2011](#)).

Sheep anti Human fibronectin antibody recognizes fibronectin as a single band of approximately 260 kDa in a range of human cell lysates by western blotting under reducing conditions. Cross reactivity with rodent cell line lysates is also observed.

Western Blotting	Sheep anti Fibronectin detects a band of approxiamtely 260 kDa in A549 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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