

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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
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 multi-domain 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 approximately 260 kDa in A549 cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

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](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M370452:200529'

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