

## Datasheet: AHP2116

**BATCH NUMBER 169279**

<b>Description:</b>	GOAT ANTI HUMAN DESMIN (C-TERMINAL)
<b>Specificity:</b>	DESMIN (C-TERMINAL)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			3.0 - 6.0ug/ml
ELISA	▪			1/2000
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.3ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires heat-mediated antigen retrieval prior to staining of paraffin sections. Sodium citrate buffer pH6.0 is recommended for this purpose.**

#### Target Species

Human

#### Species Cross Reactivity

Reacts with: Mouse, Rat, Pig

Based on sequence similarity, is expected to react with: Dog, Bovine

**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

**Antiserum Preparation** Antiserum to human Desmin (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

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**Buffer Solution** TRIS buffered saline

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**Preservative** 0.02% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 0.5% Bovine Serum Albumin

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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**Immunogen** Synthetic peptide sequence C-RDGEVVSEATQQQHE from the C-Terminal region of Desmin (NP\_001918.3).

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**External Database Links**

**UniProt:**

[P17661](#)    [Related reagents](#)

**Entrez Gene:**

[1674](#)    DES    [Related reagents](#)

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**RRID** AB\_2092438

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**Specificity** **Goat anti Human Desmin antibody** recognizes an epitope within the C-terminal (CT) region of human Desmin, a type III intermediate filament (IF), localized near the Z line in sacromeres of skeletal, smooth and cardiac muscle tissue.

Desmin plays an essential role in the architecture of muscle cells, connecting the Z-disk to the subsarcolemmal cytoskeleton, and the contractile apparatus to the, mitochondria, cell nucleus and post-synaptic areas of motor endplates. Desmin is an early indicator for muscle tissue in embryogenesis, and a marker for tumours of myogenic origin. Mutations in the Desmin gene, are responsible for the neuromuscular disorder known as desmin-related cardio skeletal myopathy (CSM), characterized by skeletal muscle weakness.

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**Histology Positive Control Tissue** Human prostate

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**Western Blotting** **Goat anti Human Desmin** detects a band of approximately 55kDa in human skeletal muscle cell lysates.

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2116>  
10058

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

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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](https://www.bio-rad-antibodies.com/datasheets)  
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