

Datasheet: AHP2116

BATCH NUMBER 158492

Description:	GOAT ANTI HUMAN DESMIN (C-TERMINAL)
Specificity:	DESMIN (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Buffer Solution TRIS buffered saline

Preservative 0.02% Sodium Azide (NaN₃)
Stabilisers 0.5% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Synthetic peptide sequence C-RDGEVVSEATQQQHE from the C-Terminal region of Desmin (NP_001918.3).

External Database Links

UniProt:

[P17661](#) [Related reagents](#)

Entrez Gene:

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

RRID AB_2092438

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 sarcomeres 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.

Histology Positive Control Tissue Human prostate

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

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.

Guarantee 12 months from date of despatch

**Health And Safety
Information**

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

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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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