

Datasheet: MCA6300

BATCH NUMBER 155773

Description:	RABBIT ANTI DESMIN
Specificity:	DESMIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM234
Isotype:	IgG
Quantity:	0.1 ml

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
Immunohistology - Paraffin	▪			1/1000 - 1/4000
Western Blotting	▪			1/1000 - 1/2000

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.

Target Species

Human

Species Cross Reactivity

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

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to Human desmin
External Database Links	<p>UniProt: P17661 Related reagents</p> <p>Entrez Gene: 1674 DES Related reagents</p>
Specificity	<p>Rabbit anti Human desmin antibody recognizes desmin (DES). Desmin is the intermediate filament protein in striated muscle, and maintains the structural and functional integrity of muscle cells (Singh and Robbins 2018). Mutations in the desmin gene, or post-translational modifications, cause skeletal and cardiac myopathies known as desmin related myopathies (DRMs) and include mitochondrial defects, cardiomyocyte death, muscle degeneration and other conditions (Capetanaki et al. 2015). Desmin is frequently down-regulated in cardiac pathology, and is believed to play a role in progression of heart failure (Deliu et al. 2017). Desmin expression is significantly expressed in colorectal cancer (CRC) and adenomas compared with normal colonic tissue and disrupts the function of the tumor suppressor p53, a mechanism which could explain the poor prognosis associated with high desmin expression (Li et al. 2017).</p>
Storage	<p>Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6300 10048</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Sheep Anti Rabbit IgG (STAR36...)	DyLight@488 , DyLight@680 , DyLight@800

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

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