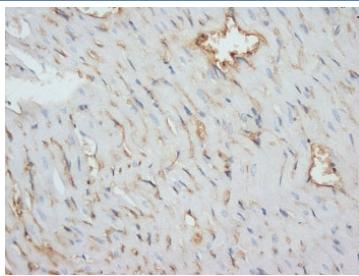


## Desmin Antibody [clone DE-U-10] (R30031)

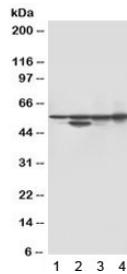
Catalog No.	Formulation	Size
R30031	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat, Rabbit
<b>Format</b>	Ascites
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	DE-U-10
<b>Purity</b>	Unpurified ascites
<b>Gene ID</b>	1674
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	Western Blot : 2ug/ml IHC (FFPE) : 2-4ug/ml
<b>Limitations</b>	This Desmin antibody is available for research use only.



IHC-P: Desmin antibody testing of rat heart tissue



Western blot testing of 1) rat skeletal muscle, 2) rat heart, 3) mouse skeletal muscle and 4) mouse heart with Desmin antibody. Predicted molecular weight ~54 kDa.

## Description

Desmin belongs to the type III family of intermediate filaments, a class of cytoskeletal elements. The DES gene encodes a cytoskeletal protein found in smooth, cardiac, and heart muscles. Tidball(1992) found that Desmin was codistributed with actin thin filaments within the cellular processes of myotendinous junctions in frog skeletal muscle. DES gene contains 9 exons and spans about 8.4 kb. By *in situ* hybridization, Viegas-Pequignot et al.(1989) localized the gene to 2q35. Mutations are responsible for idiopathic dilated cardiomyopathy.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Desmin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Desmin from pig stomach was used as the immunogen for this Desmin antibody.

## Storage

After reconstitution, the Desmin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.