Desmin Monoclonal antibody

Catalog Number: 60226-1-Ig

### Basic Information

- **Catalog Number:** 60226-1-Ig
- **Size:** 150μl, Concentration: 1200 μg/ml by Bradford method using BSA as the standard;
- **Source:** Mouse
- **Isotype:** IgG2a
- **Immunogen Catalog Number:** AG9675
- **GenBank Accession Number:** BC032116
- **GeneID (NCBI):** 1674
- **Full Name:** desmin
- **Calculated MW:** 470 aa, 54 kDa
- **Observed MW:** 55 kDa
- **Purification Method:** Protein A purification
- **CloneNo.:** 3E12C8
- **Recommended Dilutions:** WB 1:500-1:2000

### Applications

- **Tested Applications:** WB, ELISA
- **Cited Applications:** IF, IHC, WB
- **Species Specificity:** human, pig
- **Cited Species:** human, rat, mouse

### Background Information

Desmin is the main intermediate filament protein in skeletal and cardiac muscle cells and is essential for both the structural integrity and the survival of muscle cells. As an abundant muscle-specific protein, desmin has been widely used as a marker of muscle derived tumors. Anti-desmin is also valuable in the differential diagnosis of tumors of uncertain origin.

### Notable Publications

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<th>Author</th>
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<tr>
<td>Qian Feng</td>
<td>27986613</td>
<td>Reprod Biomed Online</td>
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<td>Xiaohong Xu</td>
<td>34107901</td>
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<tr>
<td>Pan Gao</td>
<td>25017793</td>
<td>Biochim Biophys Acta</td>
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### Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage

### Storage (cont.)

*** 20μl sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 60226-1-Ig (Desmin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

Human heart tissue were subjected to SDS PAGE followed by western blot with 60226-1-Ig (DES antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.