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## 39-1031: Anti-Desmin Monoclonal Antibody (Clone: DE-U-10)

Clonality: Monoclonal Clone Name: DE-U-10 Application: WB Reactivity: Human Gene: Des Gene ID: 64362 **Uniprot ID:** P48675 **Alternative Name:** Desmin; Des Isotype: Mouse IgG1

Immunogen Information: Desmin from pig stomach.

## **Description**

Desmin belongs to the type III family of intermediate filaments, a class of cytoskeletal elements. DES gene encodes desmin, a muscle-specific 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 2g35. Desmin mutation responsible for idiopathic dilated cardiomyopathy.

## **Product Info**

Amount: 100 μg/vial **Purification: Ascites** 

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Content:

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and **Storage condition:** 

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot: 2µg/ml; Immunohistochemistry(Paraffin-embedded Section): 2-4µg/ml

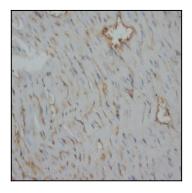


Figure 1: Anti-Desmin monoclonal antibody(39-1031). IHC(P): Rat Cardiac Muscle Tissue.



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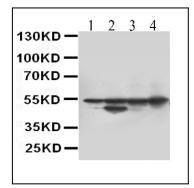


Figure 2: Anti-Desmin monoclonal antibody(39-1031). Western blotting: Lanes: Anti Desmin(39-1031) at 0.5 ug/ml. Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug, Lane 2: Rat Cardiac Muscle Tissue Lysate at 50ug, Lane 3: Mouse Skeletal Muscle Tissue Lysate at 50ug, Lane 4: Mouse Cardiac Muscle Tissue Lysate at 50ug. Predicted band size: 53 kDa: Observed band size: 53 kDa.