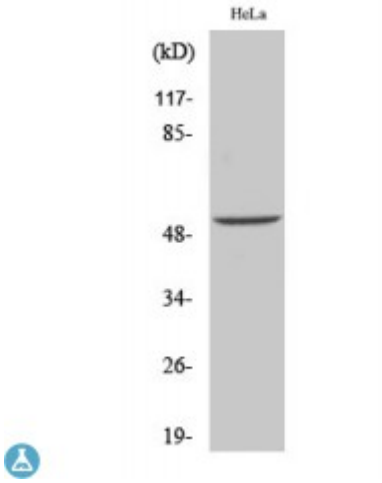
# Anti-Desmin antibody

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| **Description** | Rabbit polyclonal to Desmin. |

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| **Model** | STJ92692 |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Applications** | ELISA, IHC, WB |
| **Immunogen** | Synthesized peptide derived from human Desmin around the non-phosphorylation site of S60. |
| **Immunogen Region** | 40-120 aa |
| **Gene ID** | 1674 |
| **Gene Symbol** | DES |
| **Dilution range** | WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000 |
| **Specificity** | Desmin Polyclonal Antibody detects endogenous levels of Desmin protein. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Desmin |
| **Molecular Weight** | 54 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |

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| **Isotype** | IgG |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:2770OMIM:125660 |
| **Alternative Names** | Desmin |
| **Function** | Desmin are class-III intermediate filaments found in muscle cells. In adult striated muscle they form a fibrous network connecting myofibrils to each other and to the plasma membrane from the periphery of the Z-line structures . May act as a sarcomeric microtubule-anchoring protein: specifically associates with detyrosinated tubulin-alpha chains, leading to buckled microtubules and mechanical resistance to contraction. |
| **Cellular Localization** | Cytoplasm, myofibril, sarcomere, Z line Cytoplasm Cell membrane, sarcolemma. Localizes in the intercalated disks which occur at the Z line of cardiomyocytes . |
| **Post-translational Modifications** | ADP-ribosylation prevents ability to form intermediate filaments. |