

**Rabbit Anti-Desmin [EP15]: RM0087**

**Intended Use:** For Research Use Only

**Description:** Desmin is a characteristic intermediate filament of all three types of muscle cells (skeletal, cardiac, and smooth muscle) and neoplasms associated with them. In general, desmin is a specific marker for myogenic differentiation among soft tissue tumors. It is seen in the majority of rhabdomyomas, leiomyomas, rhabdomyosarcoma, and leiomyosarcomas. Desmin is also seen in myofibroblasts. Myoepithelial cells typically lack desmin. The antibody labels smooth and striated muscle cells as well as mesothelial cells. It allows the subtyping of many undifferentiated and pleomorphic tumors through intermediate filament analysis. With selected panels of antibodies, it is a useful tool to separate the different pleomorphic spindle cell tumors and round cell tumors in soft tissues and skin. The antibody labels strongly reactive mesothelial cells, but not malignant mesothelioma and adenocarcinoma.

**Specifications:**

Clone: EP15  
Source: Rabbit  
Isotype : IgG  
Reactivity: Human  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
Desmin Concentrated	RM0087	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Uterus  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.