

Rabbit anti-Desmin Polyclonal Antibody

Storage: 2-8°C

Catalog No: P4005 1ml
P4005S 0.2ml
P4005U 6ml

Intended Use and Background:

Desmin is a type III intermediate filament found near the Z line in sarcomere. Desmin is only expressed in vertebrates, however homologous proteins are found in many organisms. It is a 52kD protein that is a subunit of intermediate filaments in skeletal muscle tissue, smooth muscle tissue, and cardiac muscle tissue. Antibodies to desmin are useful in identification of tumors of myogenic origin.

Components:

Rabbit anti-Desmin antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit
Isotype: Total immunoglobulin IgG
Immunogen: Purified human desmin
Reacts with: Human, others not tested

Catalog No.	Format	Size
P4005	Concentrate	1 ml
P4005s	Concentrate	0.2ml
P4005U	Ready-to-use	6ml

Positive Control: Human muscle or sarcomas

Pretreatment required: Not required

Cellular Localization: Cytoplasmic

Application: immunohistochemistry (IHC).

Recommended Protocol:

For concentrate antibody, the working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.