

Monoclonal Antibody to Actin (pan alpha / gamma 2) - Supernatant

| | |
|--------------------------|---|
| Catalog No.: | DM002-05 |
| Quantity: | 0.5 ml |
| Host / Isotype: | Mouse / IgG1 |
| Clone: | HHF35 |
| Immunogen: | SDS extracted protein from human myocardium |
| Format: | State: Liquid tissue culture supernatant containing sodium azide as preservative |
| Applications: | Immunohistochemistry on formalin fixed paraffin embedded sections: use a dilution of 1:25-1:75 in an ABC method (30 minutes at room temperature). Recommended positive control: Muscle or sarcoma. Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | The antibody is specific to actin from tissue extracts of uterus, ileum, aorta, diaphragm, heart, and smooth muscle cells. It recognizes the alpha actin from skeletal, cardiac, and smooth muscle and the gamma actin from smooth muscle sources. It stains tumors of smooth muscle (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas). Cellular Localization: Cytoplasmic. In Western blot, clone HHF35 reacts with 42 kD protein extract from skeletal muscle but not from epithelial cell line. Species: Human, rabbit, rat. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | Gowm et al. Am J Pathol 125: 191, 1986. Tsukada et al. Am J Pathol 126: 51, 1987. Porter et al. Mod Pathol 4: 46, 1991. |

Pictures:

Formalin fixed paraffin embedded human leiomyoma stained with Muscle Actin antibody DM002/DM002-05

