

Actin, Muscle Specific Ab-4

Catalog # MS-742-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-742-R7 (7.0ml)

Catalog # MS-742-PCS

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Ab-4 reacts with 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).
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Muscle or sarcoma

MATERIALS PROVIDED:

Actin, Muscle Specific Ab-4 (refer to catalog number):

- #MS-742-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.
or
- #MS-742-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
or
- #MS-742-PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Epitope:** Not determined
- **Species Reactivity:** Human, Rabbit, and Rat. Others-not known.
- **Clone Designation:** HHF35
- **Ig Isotype / Light Chain:** IgG1 / kappa
- **Immunogen:** SDS extract of human myocardium.
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:50-1:100 in antibody diluent
Tissue Section Pretreatment	No special pretreatment is required for immuno-histochemical staining of formalin-fixed tissues.
Primary Antibody Incubation Time	30 minutes at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

REFERENCES:

- 1) Tsukada T. et. al. HHF35, a muscle-actin specific monoclonal antibody. I. Immuno-cytochemical and biochemical characterization. Am J Pathol 1987, 126:51.
- 2) Tsukada T. et. al. HHF35, a muscle-actin specific monoclonal antibody. II. Reactivity in normal, reactive and neoplastic human tissues. Am J Pathol 1987, 127:389.