
Anti-Actin (muscle) Purified

Catalog Number: 14-6496

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information



Contents: Anti-Actin (muscle) Purified

Catalog Number: 14-6496

Clone: HHF35

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa



LOT



Formulation: aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The monoclonal antibody HHF35 recognizes muscle actin; specifically the alpha and gamma form found in skeletal cardiac, and smooth muscle. No reactivity to the beta form is observed. The 42 kDa protein is a main component of the cytoskeletal structural network. The HHF35 antibody has been shown to recognize actin from smooth muscle cells of the heart, bladder, uterus, gastrointestinal tract, and diaphragm. The antibody stains tumors of muscle origin such as leiomyomas, leiomyosarcomas and rhabdomyosarcomas.

The HHF35 antibody recognizes human, mouse, rat, bovine, pig, guinea pig, sheep, frog, canine and non-human primate actin.

Applications Reported

This HHF35 antibody has been reported for use in immunohistochemical staining of frozen and formalin-fixed paraffin embedded tissue sections and western blotting.

Applications Tested

This HHF35 antibody has been tested by immunohistochemistry on FFPE human pancreas (with IHC Antigen Retrieval Solution – Low pH (cat. 00-4955)) and can be used at less than or equal to 5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Buccoliero AM, Castiglione F, Degl'Innocenti DR, Franchi A, Sanzo M, Cetica V, Giunti L, Sardi I, Mussa F, Giordano F, Genitori L, Taddei GL Pediatric rhabdoid meningioma: a morphological, immunohistochemical, ultrastructural and molecular case study. *Neuropathology*. 2011 Feb;31(1):59-65.

Ijzer J, Roskams T, Molenbeek RF, Ultee T, Penning LC, Rothuizen J, van den Ingh TS. Morphological characterisation of portal myofibroblasts and hepatic stellate cells in the normal dog liver. *Comp Hepatol*. 2006 Nov 16;5:7.

Tsukada T, McNutt MA, Ross R, Gown AM. HHF35, a muscle actin-specific monoclonal antibody. II. Reactivity in normal, reactive, and neoplastic human tissues. *Am J Pathol*. 1987 May;127(2):389-402.(HHF35, mAb characterization)

Tsukada T, Tippens D, Gordon D, Ross R, Gown AM. HHF35, a muscle-actin-specific monoclonal antibody. I. Immunocytochemical and biochemical characterization. *Am J Pathol*. 1987 Jan;126(1):51-60.(HHF35, mAb characterization)

Related Products

00-4955 IHC Antigen Retrieval Solution – Low pH (10X)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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