

Mouse Monoclonal anti-Calponin, Clone CALP

60-0105; 60-0105-7 6 mL; 7 mL predilute Antibody, Ready-To-Use
 61-0105; 61-0105-2; 61-0105-5 1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
 Isotype IgG1
 Concentration: See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Calponin in normal and neoplastic formalin fixed, paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

Calponin interacts with actin, tropomyosin, and calmodulin. It is restrict expressed in smooth muscle cells and is involved in the regulation of smooth muscle contraction. Anti-calponin has been found to be useful in differentiating benign sclerosing lesions of the breast from carcinoma. Calponin positivity has also been noted in malignant myoepithelioma and pleomorphic adenoma of salivary gland origin, as well as angiomatoid malignant fibrous histiocytoma.

Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) as antimicrobial agent.

Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide (NaN₃) is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN₃ may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0105; 60-0105-7: Ready-To-Use
 61-0105; 61-0105-2; 61-0105-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Appendix, breast, leiomyoma, uterus

Epitope retrieval

Proteinase K

Staining pattern

Cytoplasm

Storage

Store at 2-8°C.

References

1. Lazard D, et al. Proc Natl Acad Sci USA 1993; 90:999.
2. Gimona M, et al. FEBS Lett 1990; 274(1,2):159

Symbols

 Catalog No.
  Batch No.
  In Vitro Diagnostic Use
  Temperature Range
  Use By