



Monoclonal Antibody to **FILAMIN**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Filamin

Antibody Formats Supplied

- 5 ml of anti Filamin, Ready-To-Use
- 0.2 ml of anti Filamin, Concentrate

PRODUCT# IMI23361E (Ready-To-Use)

PRODUCT# IMI23352E (Concentrate)

SOURCE: Mouse ascites fluid

IMMUNOGEN: Human platelet protein

IMMUNOGLOBULIN ISOTYPE: IgG1

CLONE: PM6/317

REACTIVITY

This mouse anti filamin antibody is an actin binding protein that recognizes the 190 kD a fragment of filamin produced by calpain cleavage. This antibody is often used for the study of muscle development, this antibody reacts with human, mouse, rat, rabbit, guinea pig and chicken filamin. When using this antibody on mouse, rat or other animal tissues, the use of Innovex Background Buster (product# IMI01172E) for blocking step is highly recommended. Blocking with Innovex Background Buster will eliminate or reduce background staining that is often observed with animal tissue staining. Furthermore, it makes staining of same species antibody in same species tissue possible, e.g. mouse antibody on mouse or rat tissue. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

POSITIVE CONTROL TISSUE: Muscle/ tongue

STAINING PATTERN: Cytoplasmic

Antibody FORMAT, DILUTION and INCUBATION time

This affinity purified monoclonal mouse anti filamin ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

- 5 ml of pre-titered, Ready-to-Use, *Do not dilute*. Incubate for 30 minutes for paraffin sections
- 0.2 ml Concentrate; The suggested starting dilution for 30-minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections. The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems. For less sensitive detection systems above dilution factors may vary and they should be determined by the end user for specific detection system employed.

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SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, the use of Innovex signal enhancing wash buffer in place of PBS or Tris buffer for the rinsing steps (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) is recommended. The use of enhancing wash buffer greatly enhances staining signals even on antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for repetitive procedures.

APPLICATIONS

This antibody is intended for use in immunolocalization of filamin antigen by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative localization of filamin antigens in human or animal tissues. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody is reactive with human, mouse, rat, rabbit, chicken and guinea pig has been substantiated. Other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY