



Product Information Sheet

Monoclonal Anti-Filensin

Catalogue No. MA1041

Lot No. 08A12

Clone: FIL-27

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(F)

To reorder contact us at:

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Immunogen

Human and bovine lens filament enriched fraction (plasma membrane-cytoskeleton complex).

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect filensin in cells and tissues.

Immunohistochemistry(F)

At 2-4µg/ml to detect filensin in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Filensin,, **also known as** beaded filament structure protein 1, have two major component BFSP1 and BESP2. Filensin gene is mapped at 20p12.1-p11.23. The sequence of the predicted 665-amino acid human protein is 62% and 50% identical to those of bovine and chicken filensin, respectively. However, it has less than 26% identity to other members of the intermediate filament (IF) family.

REFERENCE

1. Rendtorff, N. D.; Hansen, C.; Silaharoglu, A.; Henriksen, K. F.; Tommerup, N. : Isolation of the human beaded-filament structural protein 1 gene (BFSP1) and assignment to chromosome 20p11.23-p12.1. *Genomics* 53: 114-116, 1998.
2. Hess, J. F.; Casselman, J. T.; FitzGerald, P. G. : Chromosomal locations of the genes for the beaded filament proteins CP 115 and CP 47. *Curr. Eye Res.* 14: 11-18, 1995