

MOUSE ANTI-HUMAN FILAMIN A MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB1678	QUANTITY:	100 μ L
LOT NUMBER:			
ALTERNATE NAMES:	Alpha-filamin; Filamin I; Endothelial actin-binding protein; ABP-280; Nonmuscle filamin		
CLONE NAME:	PM6/317	HOST/ISOTYPE:	Ms IgG1
SPECIFICITY:	Recognizes unprocessed, full length Human filamin (actin-binding protein; 270-280 kDa) as well as the 190 kDa N-terminal calpain cleavage fragment of filamin (Aakhus, 1992). Following induction of apoptosis in U937 cells, the antibody recognizes 170, 150, and 120 kDa N-terminal cleavage fragments of the full-length form presumably resulting from cleavage by activated caspase-3 (Umeda, 2001).		
IMMUNOGEN:	Human platelet protein		
APPLICATIONS:	Immunoblotting: 1:1000-1:4000. Immunoprecipitation: Suggested lysis buffer is PBS with 0.5% triton X-100 with proteinase inhibitors (note for full length filamin include calpain inhibitors). 5 microliters of antibody for every 300-500 μ L of cell lysate (200-500 μ g/mL total protein is suggested. Incubation is 1 hour RT or overnight 4C; Protein A/G agarose beads or rabbit anti-mouse secondary capture antibody is recommended for best recovery. 4-8% acrylamide gels are recommended for full length filamin or the 190kDa fragment visualization. Immunofluorescence: 1:50-1:200. Suitable for staining both frozen and paraffin embedded tissues (at lower dilutions). Microwave-citrate buffer antigen retrieval method recommended for paraffin sections. <i>Optimal working dilutions must be determined by end user.</i>		
SPECIES REACTIVITY:	Reacts with Chicken, Guinea Pig, Human, Rabbit and Rat. Reactivity with other species has not been determined.		
CONTROL:	Positive control tissue: skin.		
FORMAT:	Ascites.		
PRESENTATION:	Liquid with 0.1% sodium azide.		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.		
REFERENCES:	McDowall, A. <i>et al.</i> (2003). A novel form of integrin dysfunction involving β 1, β 2, and β 3 integrins. <i>J. Clin. Invest.</i> 111 (1):51-60. Umeda, T. <i>et al.</i> (2001). Limited Proteolysis of Filamin Is Catalyzed by Caspase-3 in U937		

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and Jurkat Cells. *J. Biochem.* **130**:535-542.

Fox, J. *et al.* (1998). Mutations in filamin 1 prevent migration of cerebral cortical neurons in human periventricular heterotopia. *Neuron* **21**:1315-25.

Aakhus, A.M. *et al.* (1992). Binding of human glycoprotein Ib to fragments of actin-binding protein. *Thrombosis and Haemostasis* **67**:252-257.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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