

MOUSE ANTI-HUMAN FILAMIN  
MONOCLONAL ANTIBODY

<b>CATALOG NUMBER:</b>	<b>CBL228</b>	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	0.1 mg/mL
<b>CLONE NAME:</b>	PM6/317	<b>HOST/ISOTYPE:</b>	Ms IgG1
<b>BACKGROUND:</b>	Filamin is a structural protein that forms flexible cross-links between two actin filaments. Filamin is a homodimer of polypeptide chains each joined to the other at one end with an actin binding site at the other. It is present in smooth muscle, fibroblasts, platelets and lymphocytes.		
<b>SPECIFICITY:</b>	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).		
<b>APPLICATIONS:</b>	The antibody is suitable for formalin-fixed paraffin embedded tissue or frozen sections. Staining is cytoplasmic. Immunoblotting: 1:1000 – 1:4000 Optimal working dilutions must be determined by the end user.		
<b>SPECIES REACTIVITY:</b>	Reacts with Chicken, Guinea Pig, Human, Rabbit and Rat. Reactivity with other species has not been determined.		
<b>IMMUNOGEN:</b>	Platelet filamin		
<b>SOURCE:</b>	Tissue culture supernatant		
<b>PRESENTATION:</b>	Protein A affinity purified. The monoclonal is presented in phosphate buffered saline containing 10mM sodium azide and 1mg/ml bovine serum albumin.		
<b>STORAGE/HANDLING:</b>	For use within 1 month of purchase store at +4°C; for long term storage aliquot antibody into small volumes and store at -20°C for up to one year.		
<b>REFERENCES:</b>	Umeda, T. et al. (2001). Limited Proteolysis of Filamin Is Catalyzed by Caspase-3 in U937 and Jurkat Cells. J. Biochem. 130:535-542.		

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