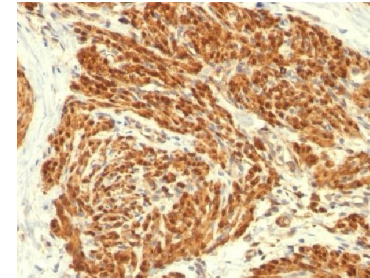


## Anti-Calponin-1 Antibody (CALP)

<b>CATALOG NO:</b>	A1462-100
<b>ALTERNATIVE NAMES:</b>	Calponin 1 basic smooth muscle; Calponin H1 smooth muscle; Calponin-1; CNN1; Cnn1; Sm Calp; SMCC
<b>AMOUNT:</b>	100 µg
<b>IMMUNOGEN:</b>	Crude human uterus extract
<b>HOST/ISOTYPE:</b>	Mouse IgG1, kappa
<b>CLONALITY:</b>	Monoclonal
<b>CLONE:</b>	CALP
<b>MOL WEIGHT:</b>	34 kDa
<b>SPECIES REACTIVITY:</b>	Human and Rat
<b>PURIFICATION:</b>	Protein A/G purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide
<b>STORAGE CONDITIONS:</b>	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>DESCRIPTION:</b>	Multiple isoelectric variants of calponin have been identified, however only two molecular weight isoforms exist; a 34kDa form and a 29kDa form. Expression of the 29kDa form, I-calponin, is primarily restricted to muscle of the urogenital tract, whereas the higher molecular weight variant has been demonstrated in vascular and visceral smooth muscle. In Western blotting, this MAbs reacts with only the 34kDa form of calponin in extracts of human aortic medial smooth muscle and is unreactive with fibroblast extracts of cultivated human foreskin. Calponin is a calmodulin, F-actin and tropomyosin binding protein, which is thought to be involved in the regulation of smooth muscle contraction. Calponin expression is restricted to smooth muscle cells and has been shown to be a marker of the differentiated (contractile) phenotype of developing smooth muscle.
<b>APPLICATION:</b>	FC: 0.5-1 µg/1X10 <sup>6</sup> cells IF: 1-2 µg/ml IHC: 0.5-1 µg/ml for 30 minutes at RT (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)
	<b>Note:</b> This information is only intended as a guide. The optimal dilutions must be determined by the user.



Formalin-fixed, paraffin-embedded human Uterus stained with Calponin-1 Monoclonal Antibody (CALP).

### RELATED PRODUCTS:

- Anti-Bcl-2 Antibody (100/D5 + 124) (Cat. No. A1435)
- Anti-Bcl-6 Antibody (BCL6/1475) (Cat. No. A1436)
- Anti-Bcl-6 Antibody (BCL6/1527) (Cat. No. A1437)
- Anti-Bax Antibody (BAX/962) (Cat. No. A1434)
- Anti-Adipophilin Antibody (ADFP/1494) (Cat. No. A1422)
- Anti-AFP Antibody (C3) (Cat. No. A1423)
- Anti-ALDH1A1 Antibody (ALDH1A1/1381) (Cat. No. A1424)
- Anti-ALK Antibody (ALK/1503) (Cat. No. A1425)
- Anti-Alkaline Phosphatase Antibody (ALPL/597) (Cat. No. A1426)
- Anti-Alpha-1-Antitrypsin Antibody (AAT/1378) (Cat. No. A1427)

**FOR RESEARCH USE ONLY! Not to be used on humans.**