

Monoclonal Mouse Antibody to Calponin

Catalog No.:	Mob 345, Mob 345-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	BALB/C mice were injected with crude human uterus extract.
Clone:	CALP
Isotype:	IgG1
Format:	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require digestion of tissue sections with trypsin and followed by high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Specificity:	This antibody reacts with a 34 kD protein known as Calponin, a calmodulin, which binds tropomyosin and F-actin and is thought to be involved in the regulation of smooth muscle contraction. Expression of Calponin is restricted to smooth muscle cells. Two isoforms of Calponin exist whose molecular weights are 34 kD and 29 kD. The 29 kD isoform is primarily restricted to the muscle of the urogenital tract. This antibody cross reacts with rat.
Positive Control:	Breast
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Frid et al. Dev Biol 153: 185, 1992.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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