Calponin

IN VITRO DIAGNOSTIC DATASHEET

INTENDED USE : IN VITRO DIAGNOSTIC USE

This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

DESCRIPTION : Calponin, a calmodulin, binds tropomyosin and F-actin and is thought to be involved in the regulation of smooth muscle contraction. The expression of calponin is restricted to smooth muscle cells and is a marker of the differentiated contractile phenotype of developing smooth muscle. Two isoforms of calponin exist whose molecular weights are 34kDa and 29kDa. Expression of the 29kDa form is primarily restricted to muscle of the urogenital tract. The expression of calponin has also been demonstrated in myoepithelial cells from benign and malignant breast lesions.

CATALOG NO : PL1168

PL1168-R7	7 ML RTU 70 TEST
PL1168-R1	1 ML RTU 10 TEST
PL1168-1	1 ML 1/800 8000 TEST
PL1168-0,1	0,1 ML 1/800 800 TEST

STAINING PATTERN : Cytoplasmic

POSITIVE CONTROL : Myoepithelial cells in breast ducts.

VOLUME : 7 ml Ready to Use (7 ml of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.)

HOST : Mouse

CLONE : CALP

ANTIBODY CONCENTRATION : 200ug/ml

SPECIES REACTIVITY : Human and Rat. Others not-tested.

EPITOPE : Not determined

MICROBIOLOGICAL STATE : This product is not sterile.

PRETREATMENT : Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM Citrate, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

PRIMARY ANTIBODY INCUBATION TIME : 30 minutes at Room Temperature

STAINING TIPS : If the staining is too light, use lower dilution or longer time. If the staining is too strong, check pretreatment, use higher dilution or shorter time.

STORAGE AND STABILITY : This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

TROUBLESHOOTING : Please contact Patolab Technical Support by e-mail (patolab@patolab.com.tr).