

Caldesmon (ZR413)

Rabbit monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant full-length human CALD1 protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: Caldesmon (ZR413) Rabbit monoclonal primary antibody detects Caldesmon protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain Caldesmon protein.

Localization: Cytoplasmic.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Recognizes a protein of 150 kDa, which is identified as the high molecular weight variant of Caldesmon. Two closely related variants of human caldesmon have been identified which are different in their electrophoretic mobility and cellular distribution. The h-caldesmon variant (120/150kDa) is predominantly expressed by smooth muscle cells whereas l-caldesmon (70/80kDa) is found in non-muscle tissue. Neither of the two variants has been detected in skeletal muscle. This mAb recognizes only the 150 kDa variant of h-caldesmon). Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Miettinen M, et al. Arch Pathol Lab Med. 2006; 130:1466-78.
2. Watanabe K, et al. Hum Pathol. 1999; 30:392-6.
3. Comin CE, et al. Am J Surg Pathol. 2006; 30:463-9.



Z2769RL-R/ Z2769RS-R/ Z2769RT-R/ Z2769RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)