

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-3402: Anti-Caldesmon, HMW (h-Caldesmon) (Smooth Muscle Marker) Polyclonal Antibody

Clonality: Polyclonal

Application :WB,FACS,IF,IHCReactivity :Human, RatGene :CALD1Gene ID :800

Alternative Name: CAD; CALD1; Caldesmon 1 Isoform 1; Caldesmon 1 Isoform 2; Caldesmon 1 Isoform 3;

Caldesmon 1 Isoform 4; Caldesmon 1 Isoform 5; CDM; HCAD; LCAD; NAG22

Isotype: Rabbit IgG

Immunogen Information: Recombinant human CALD1 protein fragment

Q05682

Description

Uniprot ID:

Recognizes a protein of 150kDa, 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 in smooth muscle whereas I-caldesmon (70'80kDa) is found in non- muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. This antibody recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.

Product Info

Amount : 20 μg / 100 μg

Content: 200 μg/ml of Ab Purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml); Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistology (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes),

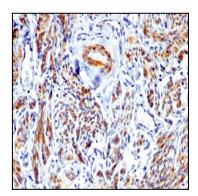
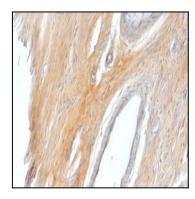


Fig. 1: Formalin-fixed, paraffin-embedded human Uterus stained with Caldesmon Rabbit Polyclonal Antibody.



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 $\label{thm:condition} \mbox{Fig. 2: Formalin-fixed, paraffin-embedded Rat Uterus stained with Caldesmon Rabbit Polyclonal Antibody.}$