

Caldesmon (AB1280) mouse mAb

V0207

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 93 kDa (calculated)
- 93 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1280

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Caldesmon protein.

Specificity The antibody can recognize human h-caldesmon and l-caldesmon protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name CALD1

Protein Name Caldesmon

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q05682	800

Background Caldesmon is a binding protein of smooth muscle actin and calmodulin. It is a cytoskeleton related protein with the function of regulating smooth muscle contraction. In clinical diagnosis, it is used to label smooth muscle cells and cells with smooth muscle differentiation, identify myofibroblastoma from true leiomyoma, and combine CD10 to identify endometrial stromal sarcoma and uterine smooth muscle tumor.