

Caldesmon (AB1280) mouse mAb

W0461

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

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

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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. In western blotting , the antibody labels a 93 kDa band.
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.		