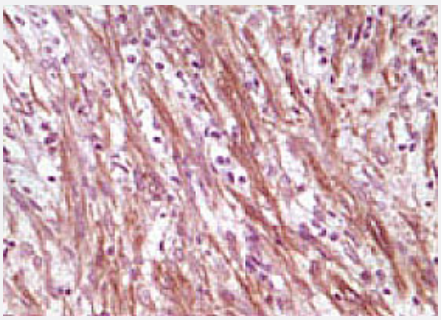
DES monoclonal antibody, clone 10H7D2

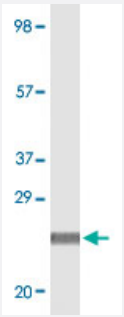
Catalog # MAB8300 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

immunohistochemical analysis of paraffin-embedded human smooth muscle sarcoma, showing cytoplasmic localization, using DES monoclonal antibody, clone 10H7D2 (Cat # MAB8300) with DAB staining.



Western Blot (Recombinant protein)

Western blot analysis using DES monoclonal antibody, clone 10H7D2 (Cat # MAB8300) against truncated DES recombinant protein.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant DES.
Immunogen	Recombinant protein corresponding to truncated human DES.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

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Recommend Usage	Western Blot (1:1000-1:2000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2000) Immunohistochemistry (Frozen sections) (1:1000-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  immunohistochemical analysis of paraffin-embedded human smooth muscle sarcoma, showing cytoplasmic localization, using DES monoclonal antibody, clone 10H7D2 (Cat # MAB8300) with DAB staining.

- Immunohistochemistry (Frozen sections)

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

  Western blot analysis using DES monoclonal antibody, clone 10H7D2 (Cat # MAB8300) against truncated DES recombinant protein.

Gene Info — DES

Entrez GeneID	1674
Gene Name	DES
Gene Alias	CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793
Gene Description	desmin
Omim ID	125660 601419 604765
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a muscle-specific class III intermediate filament. Homopolymers of this protein form a stable intracytoplasmic filamentous network connecting myofibrils to each other and to the plasma membrane. Mutations in this gene are associated with desmin-related myopathy, a famili al cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq
Other Designations	OTTHUMP00000064865|intermediate filament protein

Publication Reference

- Desmin modulates lung elastic recoil and airway responsiveness.

  Shardonofsky FR, Capetanaki Y, Boriek AM.

  American Journal of Physiology. Lung Cellular and Molecular Physiology 2006 May; 290(5):L890.

- Protein kinase C-mediated desmin phosphorylation is related to myofibril disarray in cardiomyopathic hamster heart.

  Huang X, Li J, Foster D, Lemanski SL, Dube DK, Zhang C, Lemanski LF.

  Experimental Biology and Medicine (Maywood, N.J.) 2002 Dec; 227(11):1039.

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Hypertrophic cardiomyopathy (HCM)

Disease

- Cardiomyopathy
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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