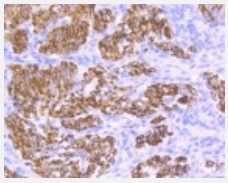
RecomAb™ Sm Size

DES recombinant monoclonal antibody

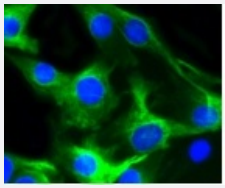
Catalog # RAB09397 Size 50 uL

Applications



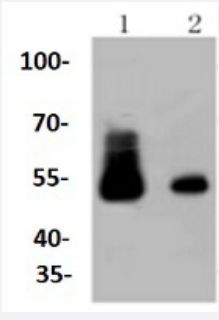
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human uterus tissue using DES recombinant monoclonal antibody (Cat # RAB09397). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of C2C12 cells using DES recombinant monoclonal antibody (Cat # RAB09397)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Tissue lysate)

Western blot analysis of Lane1:The skeletal muscle lysate of Human Lane2:The heart tissue lysate of Mouse with DES recombinant monoclonal antibody (Cat # RAB09397) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against DES.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant DES.
Theoretical MW (kDa)	54
Reactivity	Human, Mouse, Rat, Zebra fish
Specificity	This antibody detects endogenous levels of Desmin and does not cross-react with related proteins.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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 uterus tissue using DES recombinant monoclonal antibody (Cat # RAB09397). Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of C2C12 cells using DES recombinant monoclonal antibody (Cat # RAB09397)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Tissue lysate)

  Western blot analysis of Lane1:The skeletal muscle lysate of Human Lane2:The heart tissue lysate of Mouse with DES recombinant monoclonal antibody (Cat # RAB09397) at 1:1000 dilution.

Gene Info — DES

Entrez GeneID	1674
Protein Accession#	P17661
Gene Name	DES
Gene Alias	CMD1I, CSM1, CSM2, FLJ12025, FLJ39719, FLJ41013, FLJ41793
Gene Description	desmin
Omim ID	125660 601419 604765
Gene Ontology	Hyperlink
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 familial cardiac and skeletal myopathy (CSM), and with distal myopathies. [provided by RefSeq
Other Designations	OTTHUMP00000064865|intermediate filament protein

Pathway

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

Disease

- Cardiomyopathy
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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