

DES monoclonal antibody, clone D33

Catalog # MAB3396

Size

Specification

Product Description	Mouse monoclonal antibody raised against DES.
Immunogen	Native purified human DES.
Host	Mouse
Reactivity	Human
Specificity	This antibody is highly reactive with desmin. On immunoblots, only the 52 KDa desmin band is stained. This antibody stains muscle cells in human tissues. No detectable reactivity with GFAP, keratin, vimentin or neurofilament.
Form	Liquid
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In 150 mM PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunofluorescence

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
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](#)