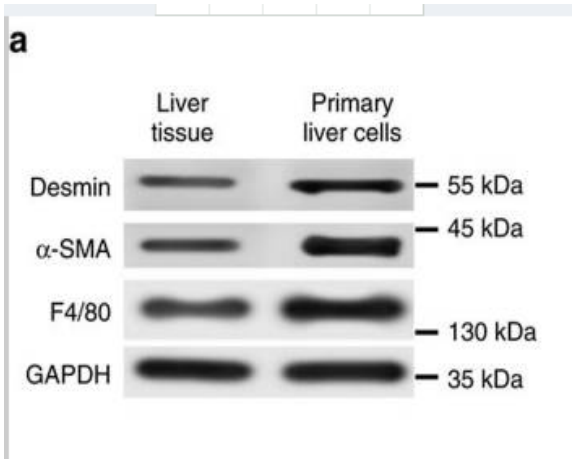
Immunoway
Best Tools for immunology Research

Desmin Polyclonal Antibody

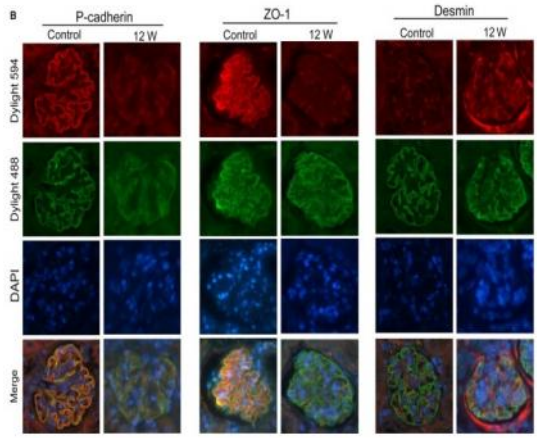
Catalog No :	YT1326
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Desmin
Fields :	>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy
Gene Name :	DES
Protein Name :	Desmin
Human Gene Id :	1674
Human Swiss Prot No :	P17661
Mouse Gene Id :	13346
Mouse Swiss Prot No :	P31001
Rat Gene Id :	64362
Rat Swiss Prot No :	P48675
Immunogen :	The antiserum was produced against synthesized peptide derived from human Desmin. AA range:421-470
Specificity :	Desmin Polyclonal Antibody detects endogenous levels of Desmin protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	55kD
Cell Pathway :	Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;
Background :	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, Jul 2008],
Function :	disease:Defects in DES are the cause of cardiomyopathy dilated type 1I (CMD1I) [MIM:604765]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.,disease:Defects in DES are the cause of desmin-related cardio-skeletal myopathy (CSM) [MIM:601419]; also known as desmin-related myopathy (DRM). CSM is characterized by skeletal muscle weakness associated with cardiac conduction blocks, arrhythmias, restrictive heart failure, and by intracytoplasmic accumulation of desmin-reactive deposits in cardiac and skeletal muscle cells. A desmin-related myopathy can have a distal onset, it is then known as hereditary distal myopathy (HDM).,disease:Defects in DES are the cause of neurogenic scapuloperoneal syndrome Kaeser type (Kaeser syndrome) [MIM:181400].
Subcellular Location :	Cytoplasmic
Expression :	Muscle,Skeletal muscle,
Tag :	orthogonal,hot
Sort :	267
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

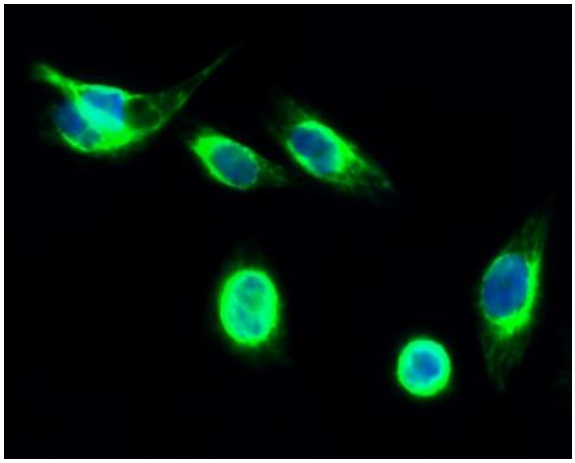
Products Images



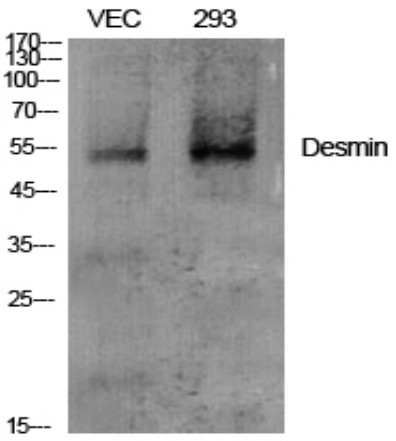
Zhang, Haiyang, et al. "Exosome-delivered EGFR regulates liver microenvironment to promote gastric cancer liver metastasis." Nature communications 8 (2017): 15016.



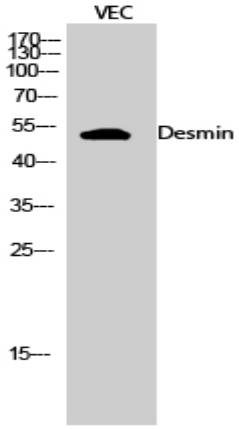
Hu, Mengsi, et al. "Lnc RNA MALAT 1 is dysregulated in diabetic nephropathy and involved in high glucose-induced podocyte injury via its interplay with β-catenin." Journal of cellular and molecular medicine 21.11 (2017): 2732-2747.



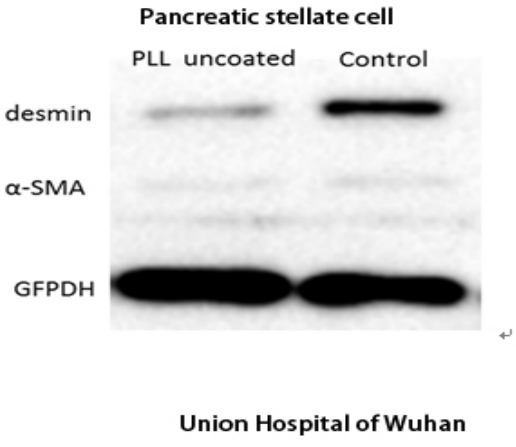
Immunofluorescence analysis of Hela cell. 1,Desmin Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.



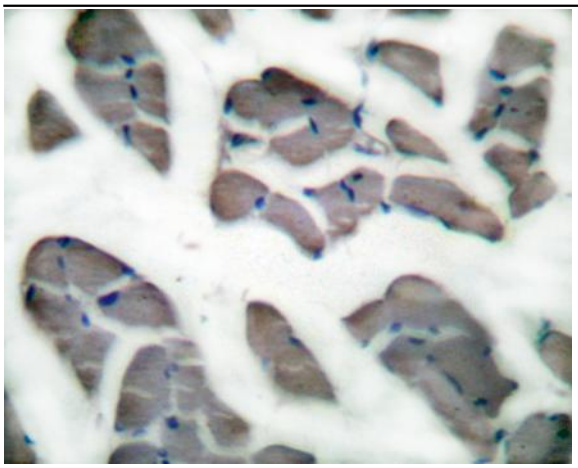
Western Blot analysis of various cells using Desmin Polyclonal Antibody diluted at 1:2000



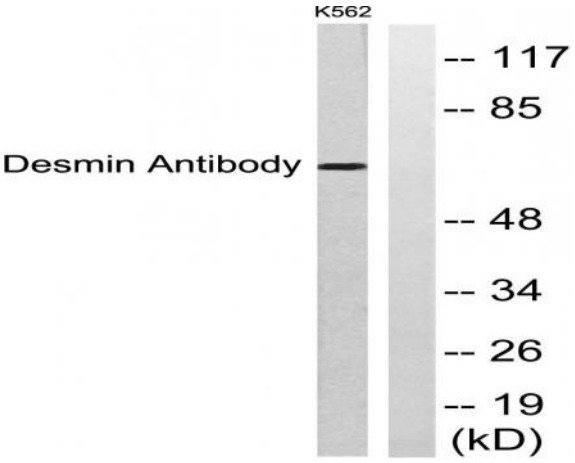
Western Blot analysis of VEC cells using Desmin Polyclonal Antibody diluted at 1:2000



The picture was kindly provided by our customer



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using Desmin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using Desmin Antibody. The lane on the right is blocked with the synthesized peptide.