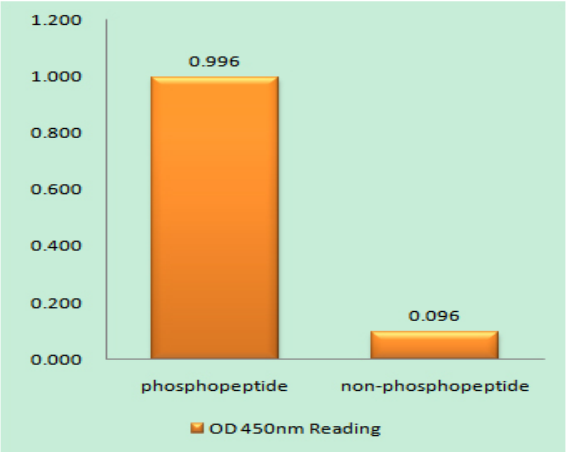
Best Tools for immunology Research

Desmin (phospho Ser60) Polyclonal Antibody

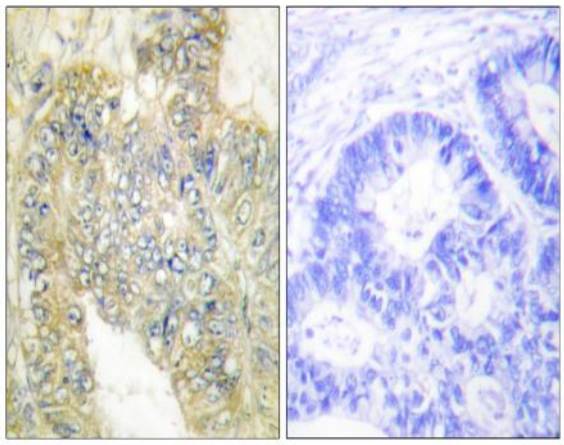
Catalog No :	YP1022
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	Desmin
Fields :	>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy
Gene Name :	DES
Protein Name :	Desmin
Human Gene Id :	1674
Human Swiss Prot No :	P17661
Mouse 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 around the phosphorylation site of Ser60. AA range:26-75
Specificity :	Phospho-Desmin (S60) Polyclonal Antibody detects endogenous levels of Desmin protein only when phosphorylated at S60.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

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)
Molecularweight :	54kD
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,

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Desmin (Phospho-Ser60) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using Desmin (Phospho-Ser60) Antibody. The picture on the right is blocked with the phospho peptide.