Desmin Antibody			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
	Support:	877-678-TECH (8324)	
#4024	Web:	info@cellsignal.com cellsignal.com	
	3 Trask Lane   Danvers   Mas	sachusetts   01923   USA	
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Applications: W	<b>Reactivity:</b> M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 53	<b>Source/Isotype:</b> Rabbit	UniProt ID: #P17661	Entrez-Gene Id 1674		
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sensitivity		Desmin Antibody detects endogenous levels of total desmin protein.						
Species predicto based on 100% homology	ed to react sequence	Human, Monkey						
Source / Purifica	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human desmin. Antibodies are purified by peptide affinity chromatography.						
Background		intermediate filamen expressed in particul (glial cells), desmin (s (mesenchyme origin) astroglial cells and m at early development brain astrocytes. Thu arising from astrocyt examined relative to myogenic marker exp across the myofibrils skeletal and smooth mutations in the corr crystallin and synemi	ts, and microtubule ar cell types: cytoke keletal, visceral, and , and neurofilamen odulate their motili cal stages, while GF4 s, GFAP is commonl es (2). Vimentin is p other markers to di pressed in early dev and surrounds Z dis s, and the cytoskele muscle defects (5). I responding desmin n. Disorganized des	of cytosolic fibers: micro s. Major types of interm- ratins (epithelial cells), g d certain vascular smoot s (neurons). GFAP and v cy and shape (1). In parti P filaments are characte y used as a marker for ir resent in sarcomas but r stinguish between the tw elopment that forms a n cs. The desmin cytoskele con (4). Desmin knockou n humans, desmin-relat gene or in proteins with min filaments and the a racterize desmin-related	ediate filaments are lial fibrillary acidic p h muscle cells), vim imentin form interr cular, vimentin filar eristic of differentia ntracranial and intra not carcinomas, and wo forms of neopla etwork of filaments eton provides a con t mice develop carc ed myopathies mig which desmin inter ccumulation of pro	e distinguished and protein or GFAP entin nediate filaments in nents are present ted and mature aspinal tumors l its expression is sm (3). Desmin is a s that extends nection among liomyopathy and ht be caused by racts, including aB- tein aggregates		
Background Ref	ferences	1. Eng, L.F. et al. (200 2. Goebel, H.H. et al. 3. Leader, M. et al. (19 4. Capetanaki, Y. et al 5. Li, Z. et al. (1996) 6. Paulin, D. and Li, Z 7. Paulin, D. et al. (20	(1987) Acta Histoch 987) Histopathology I. (2007) Exp Cell Re 9ev Biol 175, 362-6. . (2004) Exp Cell Res	em Suppl 34, 81-93. 11, 63-72. 313, 2063-76. 301, 1-7.				
Species Reactiv	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bu	uffer	IMPORTANT: For wes TBS, 0.1% Tween® 20	'	membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X		
Applications Ke	у	W: Western Blotting						
Cross-Reactivity	/ Key	<b>M:</b> Mouse <b>R:</b> Rat						

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