Integrin β4 Antibody		Cell Signaling	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
	Support:	877-678-TECH (8324)	
#4707	Web:	info@cellsignal.com cellsignal.com	
1	3 Trask Lane Danvers Mass	achusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 210	Source/Isotype: Rabbit	UniProt ID: #P16144	Entrez-Gene Id: 3691		
Product Usage Information		Application Western Blotting			Dilution 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		Integrin β4 Antibody detects endogenous levels of total integrin β4 protein.						
Source / Purification Polyclonal antibodies are pro- residues surrounding Ser18 chromatography.								
Background	Integrins are α/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18 α and 8 subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities (3). Integrins not only transmit signals to cells in response to the extracellular enviro (outside-in signaling), but also sense intracellular cues to alter their interaction with extracellular environment (inside-out signaling) (1,2).Integrin β4 pairs with integrin α6 on the cell surface ment to form the integrin α6β4 heterodimer, an important laminin receptor that is essential for hemidesmosome formation and the support of stable adhesions between basal epithelial cells a basement membrane (4,5). Integrin β4 is an important component in several growth factor indu signaling pathways that are involved in tumorigenesis and invasive cell growth (6,7).							
Background Ref	erences		resh, D.A. (2002) <i>Na</i> I Sonnenberg, A. (20 al. (1998) <i>J Cell Biol</i> 2006) <i>Trends Cell Bio</i>) <i>Cell</i> 126, 489-502.	t <i>Rev Cancer</i> 2, 91-100. 001) <i>Cell Tissue Res</i> 305, 142, 271-84. ol 16, 376-83.	285-98.			
Species Reactivi	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bu	ffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	/	W: Western Blotting						
Cross-Reactivity	Кеу	H: Human						
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