Integrin β4 Antibody



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

Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 210	Source: Rabbit	UniProt ID: #P16144	Entrez-Gene Id: 3691	
Product Usage Information	•	plication		Dilution 1:1000			
Storage	rage Supplied in 10 mM soc 20°C. Do not aliquot th			dium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at –			
Specificity / Sensitivity		Integrin $\beta4$ Antibody detects endogenous levels of total integrin $\beta4$ protein.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser1812 of human integrin β 4 protein. Antibodies are purified peptide affinity chromatography.					
Background	as w 24 k tran: intra β4 p lami betw seve	Integrins are α/β heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migratic as well as in growth and survival (1,2). The integrin family contains at least 18 α and 8 β subunits that for 24 known integrins with distinct tissue distribution and overlapping ligand specificities (3). Integrins not of transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sens intracellular cues to alter their interaction with extracellular environment (inside-out signaling) (1,2). Integring 4 pairs with integrin α 6 on the cell surface membrane to form the integrin α 6 β 4 heterodimer, an importal laminin receptor that is essential for hemidesmosome formation and the support of stable adhesions between basal epithelial cells and the basement membrane (4,5). Integrin β 4 is an important component several growth factor induced signaling pathways that are involved in tumorigenesis and invasive cell growth (6,7).					
2. Hood, J.D. a 3. van der Flier 4. Schaapveld, 5. Litjens, S.H. 6. Guo, W. et a			200) J Cell Sci 113 (Pt 20), 3563-71. Cheresh, D.A. (2002) Nat Rev Cancer 2, 91-100. and Sonnenberg, A. (2001) Cell Tissue Res 305, 285-98. 2. et al. (1998) J Cell Biol 142, 271-84. I. (2006) Trends Cell Biol 16, 376-83. 2. (2006) Cell 126, 489-502. 2. (2006) J Cell Biol 175, 993-1003.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

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

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Integrin β4 Antibody (#4707) Datasheet Without Images Cell Signaling Technology

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