



RABBIT ANTI-HUMAN INTEGRIN alpha4 POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB1924	QUANTITY:	100 µL
LOT NUMBER:		EPITOPE:	Cytoplasmic domain, C-terminus
SPECIFICITY:	Integrin alpha 4. Specificity determined by immunoprecipitation from a detergent extract of ³⁵ S methionine-labeled lymphoid cells. No cross-reactivity to alpha 1, alpha 2, alpha 3, alpha 5, alpha 6 or alpha V. The antibody recognizes an epitope on the cytoplasmic domain of the protein, and it is thus intracellular.		
APPLICATIONS:	ELISA/RIA: 1:1000. Western blot: 1:1000, non-reduced conditions; blocking should be with 1-3% BSA. Recognizes a 140kDa human alpha 4 band under non-reducing conditions. Immunohistochemistry: 1:500 Immunoprecipitation: 5 µL of antibody is sufficient to precipitate alpha4 from 5x10 ⁶ cells. <i>Optimal working dilutions must be determined by end user.</i>		
SPECIES REACTIVITY:	Human, rat, mouse, hamster and chicken. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Synthetic peptide derived from the COOH terminal sequence of the human integrin alpha4 subunit.		
FORMAT:	Neat rabbit antiserum		
PRESENTATION:	Liquid with 0.05% sodium azide		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 12 months upon date of receipt. Avoid repeated freeze/thaw cycles.		
REFERENCES:	<p>Garcia, P. <i>et al.</i> (2004). Expression of alphav, alpha4, alpha5 and beta3 integrin subunits, fibronectin and vitronectin in goat peri-implantation. <i>Anim. Reprod. Sci.</i> 80(1-2): 91-100.</p> <p>Murase, S. and Horwitz, A. F. (2002). Deleted in colorectal carcinoma and differentially expressed integrins mediate the directional migration of neural precursors in the rostral migratory stream. <i>J. Neurosci.</i> 22(9): 3568-3579.</p> <p>Johnson, GA <i>et al.</i> (2001). Muc-1, Integrin, and Osteopontin Expression During the Implantation Cascade in Sheep1. <i>Biol Reprod</i> 65(3): 820-828.</p> <p>O'Brien, LE <i>et al</i> (2001). Rac1 orientates epithelial apical polarity through effects on basolateral laminin assembly. <i>Nature Cell Biol</i> 3(9): 831-838.</p> <p>Sherry D.M. and P. Proske (2001). Localization of alpha integrin subunits in the neural retina of the tiger salamander. <i>Graefes Arch. Clin. Exp. Ophthalmol.</i> 239(40): 278-287.</p> <p>Tashiro, K. <i>et al.</i> (1999). An IKLLI-containing peptide derived from the laminin a1 chain mediating heparin-binding, cell adhesion, neurite outgrowth and proliferation, represents a binding site for integrin a3b1 and heparan sulphate proteoglycan. <i>Biochem. J.</i> 340: 119-126.</p>		



Creus, M. *et al.* (1998). Integrin expression in normal and out-of-phase endometria. *Hum. Reprod.* **13(12)**: 3460-3468.

Ruoslahti, E. (1988). Fibronectin and its receptors. *Ann. Rev. Biochem.* **57**: 375-413.

Hynes, R. O. (1987). Integrins: a family of cell surface receptors. *Cell* **48(4)**: 549-554.

Ruoslahti, E. and Pierschbacher, M. D. (1987). New perspectives in cell adhesion: RGD and integrins. *Science* **238(4826)**: 491-497.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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