



**RABBIT ANTI-HUMAN INTEGRIN alpha2 [CD49b]  
POLYCLONAL ANTIBODY**

<b>CATALOG NUMBER:</b>	AB1936	<b>QUANTITY:</b>	100 µL
<b>LOT NUMBER:</b>	2139993		
<b>ALTERNATE NAMES:</b>	CD49b	<b>EPITOPE:</b>	Cytoplasmic domain
<b>SPECIFICITY:</b>	Human alpha2 integrin subunit. Specificity determined by immunoprecipitation from a detergent extract of <sup>35</sup> S methionine labeled endothelial cells. The epitope recognized is on the cytoplasmic domain of the protein and is thus intracellular. Shows no cross-reactivity to alpha1, alpha3, alpha4, alpha5, alpha6, or alphaV subunits.		
<b>IMMUNOGEN:</b>	Synthetic peptide derived from the C-terminal sequence of the human alpha2 integrin subunit.		
<b>APPLICATIONS:</b>	<u>Immunofluorescence:</u> 1:500 (suggested for use on acetone-fixed tissue only) <u>ELISA/RIA:</u> 1:1000 <u>Western blot:</u> 1:1000 The antibody has been used to report α2 expression in HUVECs during tubule-like structure formation in collagen (Deroanne, 1996). <u>Immunoprecipitation:</u> 5 µL precipitates α2/β1 from 5 x 10 <sup>6</sup> cells. <u>Immunohistochemistry:</u> 1:500 <i>Optimal working dilutions must be determined by end user.</i>		
<b>SPECIES REACTIVITY:</b>	Human, rat, mouse, hamster, and chicken. Reactivity with other species has not been determined.		
<b>FORMAT:</b>	Neat rabbit antiserum		
<b>PRESENTATION:</b>	Liquid with 0.05% sodium azide		
<b>STORAGE/HANDLING:</b>	Maintain at -20°C in undiluted aliquots for up to 12 months upon date of receipt. Avoid repeated freeze/thaw cycles.		
<b>REFERENCES:</b>	Plantefaber, LC, et al., <i>Cell</i> (1989) <b>56</b> :281-290. <i>J Biol Chem</i> , (1992) <b>267</b> :18303-18307. <i>Mol Biol of the Cell</i> , (1993) <b>4</b> :973-982. Deroanne, CF, et al., <i>Exper Cell Res</i> , (1996) <b>224</b> :215-223. Valles, AM, et al., <i>Cell Adhes Commun</i> , (1996) <b>4</b> :187-199. Wang, XQ, et al., <i>Mol Biol of the Cell</i> , (1998) <b>9</b> : 865-874. Sherry, DM, et al, <i>Graefe's Arch Clin Exp Ophthalmol</i> , (2001) <b>239</b> :278-287.		



**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  $\mu$ 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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