



Rabbit polyclonal antibody to human Integrin alpha-1 (1165-1179): Affinity purified

Catalogue No.:	R-1087-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Integrins are cell-surface proteins with important roles in cell adhesion, migration and cell surface mediated signalling. The integrin family contains at least 18 alpha and 8 beta subunits that form alpha/beta heterodimers. The integrin alpha-1 subunit is also known as CD49a and it associates with the beta-1 subunit to form a complex that is a receptor for laminin and collagen.
Batch No.:	See product label
Unit size:	100 μ g
Antigen:	A synthetic peptide (KIGFFKRPLKKKMEK) corresponding to a region (1165-1179) from the C-terminus of human Integrin alpha-1. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	Laminin and collagen receptor; VLA-1; CD49 antigen-like family member A; CD49a antigen; ITGA1;
Accession:	P56199 ITA1_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 μ g/ml is recommended for WB. Human Integrin alpha-1 (precursor) has a predicted length of 1,179 residues and MW of 131 kDa. A concentration of 1.0-2.0 μ g/ml is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat; rabbit;
Form:	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄
Reconstitution:	The liquid formulation should be diluted in PBS (pH 7.4)
Storage:	After reconstitution, aliquot and store at -20 $^{\circ}$ C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY