

Rabbit Anti-Integrin Alpha 3 + Beta 1/AP Conjugated antibody

SL1057R-AP

Product Name	Anti-Integrin Alpha 3 + Beta 1/AP
Chinese Name	碱性磷酸酶 (AP) 标记的整合素 $\alpha 3\beta 1$ 抗体
Alias	Integrin Alpha 3 / Beta 1; Integrin VLA 4 beta subunit; Alpha 3 subunit of VLA 3 receptor; CD29; CD49C; Fibronectin receptor; Fibronectin receptor beta subunit; Galactoprotein B3; GAPB3; VL3A; VLA 3 alpha chain; VLA3a.
Research Area	Cell biology immunology Signal transduction Cell adhesion molecule
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Sheep) WB=1:50-200 IHC-P=1:50-200 IHC-F=1:50-200
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	115kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Integrin Alpha 3(976-1025aa) + Beta 1(35-47aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: The protein encoded by this gene belongs to the family of integrins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain, and function as cell surface adhesion molecules. This gene

encodes alpha 3 subunit, which undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 subunit to form an integrin that interacts with many extracellular-matrix proteins. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

Function:

Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.

Subunit:

Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-3 associates with beta-1. Interacts with HPS5.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Database links:

[Entrez Gene: 3675](#) Human

[Entrez Gene: 3688](#) Human

[Omid: 135630](#) Human

[Omid: 605025](#) Human

[SwissProt: P05556](#) Human

[SwissProt: P26006](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.