

Rabbit Integrin alpha 1 Polyclonal Antibody | anti-ITGA1 antibody

Anti-Integrin alpha 1 antibody

CATALOG # AAA45739	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted to work with: mouse.	APPLICATIONS Immunohistochemistry, Western Blot
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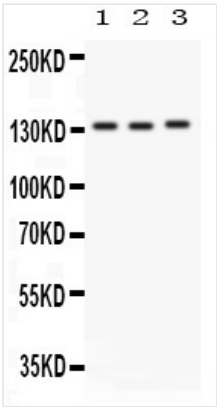
PRODUCT SYNONYMS

Integrin alpha 1; Polyclonal Antibody; Anti-Integrin alpha 1 antibody; Integrin alpha-1; integrin; alpha 1; CD 49a antibody; CD49 antigen-like family member A antibody; CD49a antibody; CD49a antigen antibody; Integrin alpha-1 antibody; ITA1_HUMAN antibody; Itga 1 antibody; ITGA1 antibody; Laminin and collagen receptor antibody; Very late activation protein 1 antibody; VLA 1 antibody; VLA-1 antibody; VLA1 antibody; anti-ITGA1 antibody

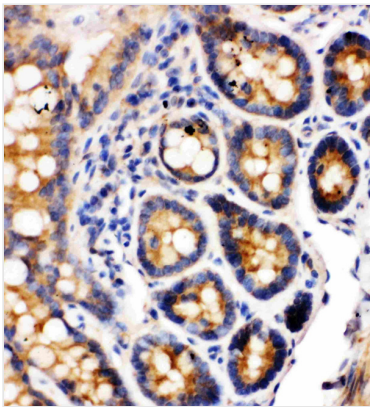
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted to work with: mouse.
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins .
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Sequence Length	1179
Applicable Applications for anti-ITGA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Integrin alpha 1 (1121-1134aa SNQKRELAIQISKD), different from the related mouse and rat sequences by one amino acid.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year from date of receipt. After reconstitution at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.

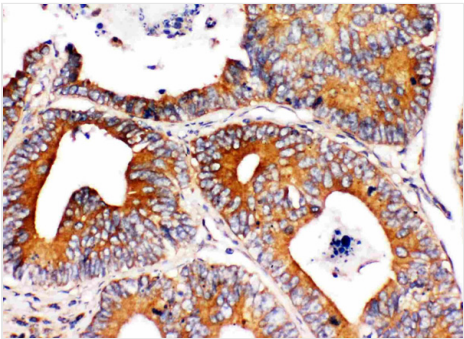
IMAGES



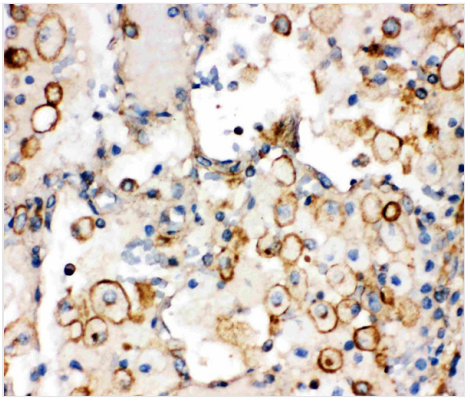
WB (Western Blot)
Anti-Integrin alpha 1 antibody, AAA45739, Western blotting All lanes: Anti ITGA1 (AAA45739) at 0.5ug/mL Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: SW620 Whole Cell Lysate at 40ug Predicted bind size: 131KD Observed bind size: 131KD



IHC (Immunohistochemistry)
Anti-Integrin alpha 1 antibody, AAA45739, IHC(P) IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-Integrin alpha 1 antibody, AAA45739, IHC(P) IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)
Anti-Integrin alpha 1 antibody, AAA45739, IHC(P) IHC(P): Human Lung Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA1 antibody	Description: Rabbit IgG polyclonal antibody for Integrin alpha-1(ITGA1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: Integrin alpha 1(ITGA1) chain associates with the beta 1(ITGB1) chain to form a heterodimer that functions as a dual laminin/collagen receptor in neural cells and hematopoietic cells. ITGA1 has a 206-amino acid I domain in its N-terminal half, followed by 3 divalent cation-binding sites and a C-terminal transmembrane domain with a short cytoplasmic tail. It also has 28 potential N-glycosylation sites. Human ITGA1 was expressed in a mouse fibroblast cell line as a 180-kD protein. ITGA1 is involved in the early remodeling of osteoarthritic cartilage and plays an essential role in the regulation of mesenchymal stem cell proliferation and cartilage production. It also plays an essential role in the regulation of MSC proliferation and cartilage production.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124056463
NCBI GeneID	3672
UniProt Accession #	P56199; B2RNU0
Molecular Weight	130,848 Da
NCBI Official Full Name	Integrin alpha-1
NCBI Official Synonym Full Names	integrin, alpha 1

NCBI Official Symbol	ITGA1
NCBI Official Synonym Symbols	VLA1; CD49a
NCBI Protein Information	integrin alpha-1; VLA-1; laminin and collagen receptor; very late activation protein 1; CD49 antigen-like family member A
UniProt Protein Name	Integrin alpha-1
UniProt Gene Name	ITGA1
UniProt Entry Name	ITA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/integrin-alpha-1-antibody-immunohistochemistry-western-blot-elisa/45739>