antibodies

Datasheet for ABIN7156425 anti-Integrin alpha 1 antibody (AA 242-524)





Overview

Quantity:	100 µg
Target:	Integrin alpha 1 (ITGA1)
Binding Specificity:	AA 242-524
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Integrin alpha 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Integrin alpha-1 protein (242-524AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

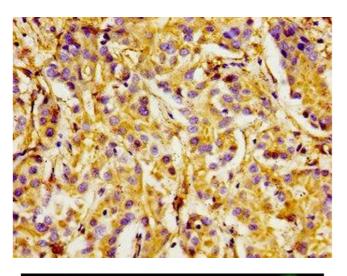
Target Details

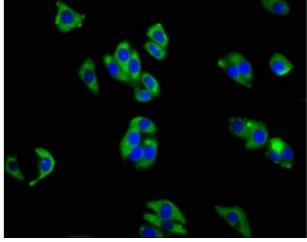
Target:	Integrin alpha 1 (ITGA1)
Alternative Name:	ITGA1 (ITGA1 Products)
Background:	Background: Integrin alpha-1/beta-1 is a receptor for laminin and collagen. It recognizes the
	proline-hydroxylated sequence G-F-P-G-E-R in collagen. Involved in anchorage-dependent,

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	negative regulation of EGF-stimulated cell growth.
	Aliases: 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
UniProt:	P56199
Pathways:	EGFR Signaling Pathway, CXCR4-mediated Signaling Events, Signaling of Hepatocyte Growth
	Factor Receptor, Integrin Complex
Application Details	

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:200-1:500,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.





Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver cancer using ABIN7156425 at dilution of 1:100

Immunofluorescence

Image 2. Immunofluorescence staining of HepG2 cells with ABIN7156425 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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