
Product Name: Integrin α 1 Rabbit Polyclonal Antibody**Catalog #: APRab12665**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

Gene Name	ITGA1
Alternative Names	Integrin alpha-1 (CD49 antigen-like family member A;Laminin and collagen receptor;VLA-1;CD antigen CD49a)
Gene ID	3672.0
SwissProt ID	P56199
Immunogen	Synthetic peptide from human protein at AA range: 920-980

Background

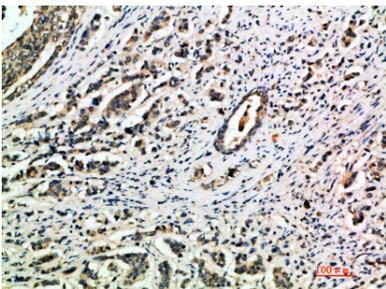
integrin subunit alpha 1(ITGA1) Homo sapiens This gene encodes the alpha 1 subunit of integrin receptors. This protein

heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. [provided by RefSeq, Jul 2008],domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function: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.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domain.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. Alpha-1 associates with beta-1. Interacts with RAB21,.

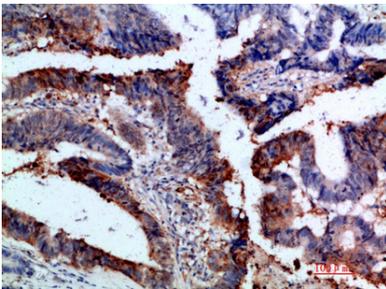
Research Area

Focal adhesion;ECM-receptor interaction;Hematopoietic cell lineage;Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;

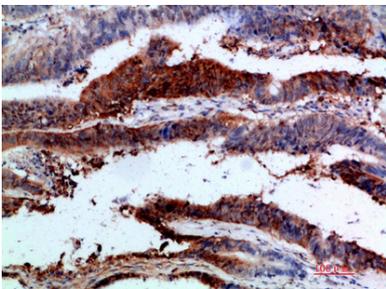
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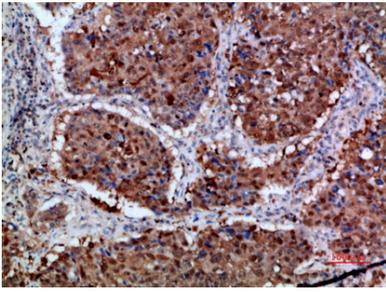
Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



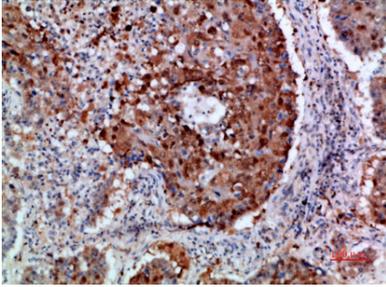
Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200