

ITA9 Polyclonal Antibody

Catalog No :	YN0236
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	ITA9
Fields :	>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Cell adhesion molecules;>>Regulation of actin cytoskeleton;>>Human papillomavirus infection;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy
Gene Name :	ITGA9
Protein Name :	Integrin alpha-9 (Integrin alpha-RLC)
Human Gene Id :	3680
Human Swiss Prot No :	Q13797
Immunogen :	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity :	ITA9 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 113kD

Cell Pathway : Focal adhesion;ECM-receptor interaction;Cell adhesion molecules (CAMs);Regulates Actin and Cytoskeleton;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated

Background : integrin subunit alpha 9(ITGA9) Homo sapiens This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers. [provided by RefSeq, Jul 2008],

Function : function:Integrin alpha-9/beta-1 is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D-G-I-E-L in cytotactin.,induction:Up-regulated in small cell lung cancers (SCLC).,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. Alpha-9 associates with beta-1.,tissue specificity:In airway epithelium, in the basal layer of squamous epithelium, and in smooth muscle, skeletal muscle, and hepatocytes. Abundantly expressed in fetal lung and lung cancers.,

Subcellular Location : Membrane ; Single-pass type I membrane protein .

Expression : In airway epithelium, in the basal layer of squamous epithelium, and in smooth muscle, skeletal muscle, and hepatocytes. Abundantly expressed in fetal lung and lung cancers.

Products Images