SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Integrin beta 6 antibody

Catalog Number: SL23107R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Integrin beta 6
Immunogen:	KLH conjugated synthetic peptide derived from human Integrin beta 6: 351-450/788 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Predicted MW.:	114kDa
Subcellular Location:	The cell membrane
Background:	Integrins are heterodimers composed of noncovalently associated transmembrane a and b subunits. The 16 a and 8 b subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and vitronectin. Certain integrins can also bind to soluble ligands, such as fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Ligands serve to cross-link or cluster integrins by binding to adjacent integrin receptors; both receptor clustering and ligand occupancy are necessary for the activation of integrin-mediated responses. In addition to mediating cell adhesion and cytoskeletal organization, integrins function as signaling receptors. Signals transduced by integrins play a role in many biological processes, including cell growth, differentiation, migration and apoptosis.

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

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	Function: Integrin alpha-V/beta-6 is a receptor for fibronectin and cytotactin. It recognizes the sequence R-G-D in its ligands. Internalisation of integrin alpha-V/beta-6 via clathrin-mediated endocytosis promotes carcinoma cell invasion. **Subunit:** Heterodimer of an alpha and a beta subunit. Beta-6 associates with alpha-V. Interacts with FLNB. Interacts with HAX1. Alpha-V/beta-6 binds to foot-and-mouth disease virus (FMDV) VP1 protein, coxsackievirus A9, coxsackievirus B1 capsid proteins and acts as a receptor for these viruses. **Subcellular Location:** Membrane; Single-pass type I membrane protein. **Similarity:** Belongs to the integrin beta chain family. Contains 1 VWFA domain. **Database links:** **Entrez Gene:** 3694 Human **Entrez Gene:** 16420 Mouse **Entrez Gene:** 311061 Rat Omim: 147558 Human **SwissProt:** P18564 Human **SwissProt:** Q9Z0T9 Mouse **SwissProt:** Q6AYF4 Rat **Unigene:** 470399 Human **Unigene:** 98193 Mouse **Unigene:** 19828 Rat

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