



Rabbit Anti-Integrin alpha 5 antibody

SL0567R

Product Name:	Integrin alpha 5
Chinese Name:	整合素α5抗体
Alias:	Integrin alpha-5 light chain; Alpha 5 beta 1; CD49 antigen-like family member E; CD49e; ECMRVI; Fibronectin Receptor alpha; Fibronectin receptor alpha subunit; Fibronectin receptor, alpha subunit; FNR; FNRA; gpIc/IIa; Integrin alpha 5 (fibronectin receptor alpha); Integrin alpha 5; Integrin alpha F; Integrin alpha-5; Integrin alpha-F; Integrin, alpha 5 (fibronectin receptor, alpha polypeptide); ITGA5; Very late Activation Antigen 5; Very Late Activation Protein 5 alpha; Very late activation protein 5, alpha subunit; VLA5; VLA5A; ITA5 HUMAN; Integrin α5; Integrin-α5.
文献引用 PubMed :	<p>Specific References(3) SL0567R has been referenced in 3 publications.</p> <p>[IF=2.93]Cui, Li, et al. "The Role of Integrin-α5 in the Proliferation and Odontogenic Differentiation of Human Dental Pulp Stem Cells." Journal of endodontics 40.2 (2014): 235-240. WB;Human. PubMed:24461410</p> <p>[IF=2.81]Zhang, Rui, et al. "Rho/MRTF-A-Induced Integrin Expression Regulates Angiogenesis in Differentiated Multipotent Mesenchymal Stem Cells." Stem Cells International 2015 (2015). WB;Rat. PubMed:25949242</p> <p>[IF=2.81]Torkamani, N., et al. "Epidermal Cells Expressing Putative Cell Markers in Nonglabrous Skin Existing in Direct Proximity with the Distal End of the Arrector Pili Muscle." Stem Cells International 2016 (2016). IHC-F;Mouse. PubMed:27375744</p>
Organism Species:	Rabbit
Clonality:	Polyclonal

React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	110kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Integrin alpha-5 light chain:1021-1099/1099<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq, Jul 2008]</p> <p>Function: CD49e is the integrin alpha 5 chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 5 undergoes post translational cleavage in the extracellular domain to yield disulfide linked light and heavy chains that join with beta 1 to form a fibronectin receptor that is known variously: in lymphocytes as very late (activation) antigen 5 (VLA5); in platelets as glycoprotein IIb/3a; and in fibroblasts as extracellular matrix receptor 6 (ECMVI). In addition to adhesion, integrins are known to participate in cell surface mediated signalling.</p> <p>Subunit: Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-5 associates with beta-1. Interacts with HPS5 and NISCH. Interacts with RAB21 and COMP. Interacts with HIV-1 Tat.</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein.</p> <p>Similarity: Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.</p>

SWISS:
P08648

Gene ID:
3678

Database links:

[Entrez Gene: 3678](#) Human

[Entrez Gene: 16402](#) Mouse

[Entrez Gene: 315346](#) Rat

[Omim: 135620](#) Human

[SwissProt: P08648](#) Human

[SwissProt: P11688](#) Mouse

[Unigene: 505654](#) Human

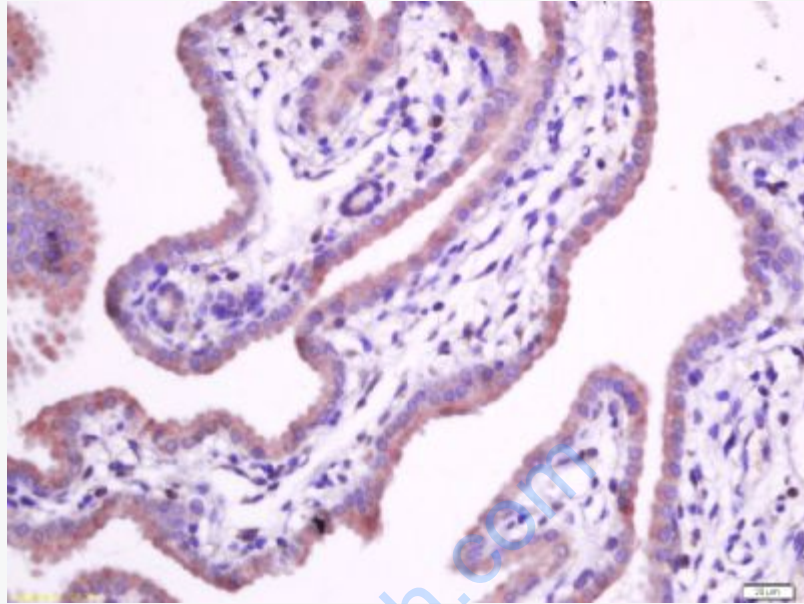
[Unigene: 16234](#) Mouse

[Unigene: 100796](#) Rat

Important Note:

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

ITG- α 5粘附分子整合素 α 5也是Cell adhesion molecule的超家族成员, 广泛分布于细胞表面和Extracellular matrix的glycoprotein, 不仅介导细胞与细胞或细胞与基质之间的连接, 而且参与细胞间的Signal transduction, 细胞的生长移行, Tumour的转移浸润, 免疫炎性反应, 血管生成等一系列的生理和病理过程。

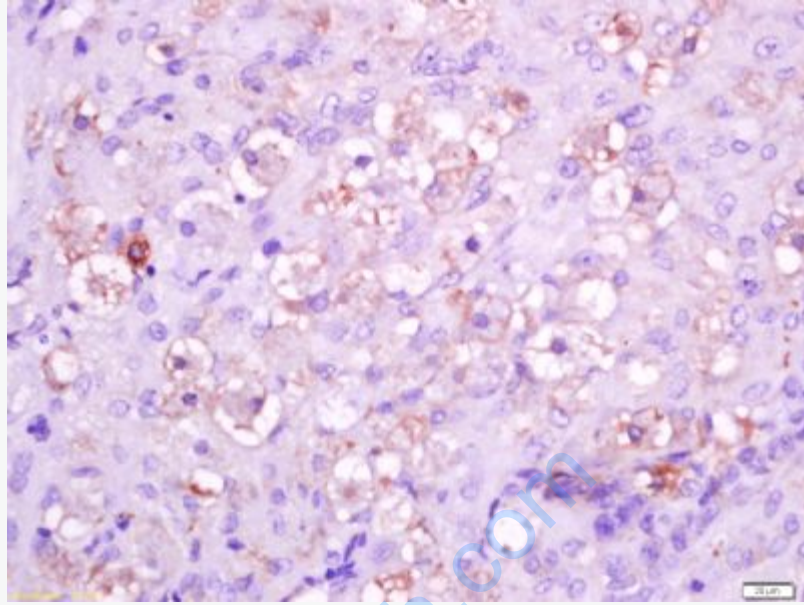


Picture:

Tissue/cell: Mouse placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

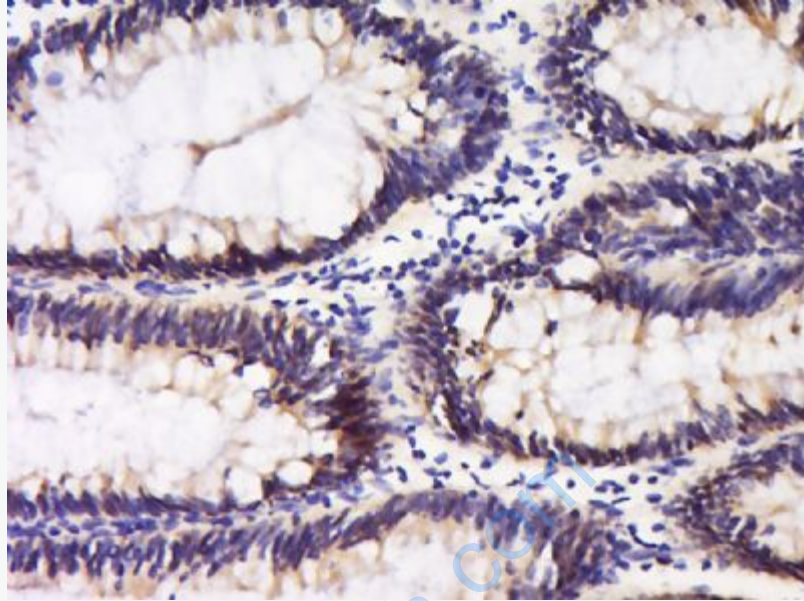
Incubation: Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated(SL0567R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated(SL0567R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Integrin alpha 5 Polyclonal Antibody, Unconjugated(SL0567R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining