SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-ITGAV Monoclonal Antibody

Catalog Number: SLA2728M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	12B7
GeneID:	3685
SWISS:	P06756
Target:	ITGAV
Immunogen:	A synthesized peptide derived from human Integrin alpha V
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:1000-5000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) IP (1:20-100) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	116 kDa
Subcellular Location:	Membrane
Background:	The alpha-V (ITGAV) integrins are receptors for vitronectin, cytotactin, fibronectin, fibrinogen, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin and vWF. They recognize the sequence R-G-D in a wide array of ligands. ITGAV:ITGB3 binds to fractalkine (CX3CL1) and may act as its coreceptor in CX3CR1-dependent fractalkine signaling.

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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[VALIDATION IMAGES]

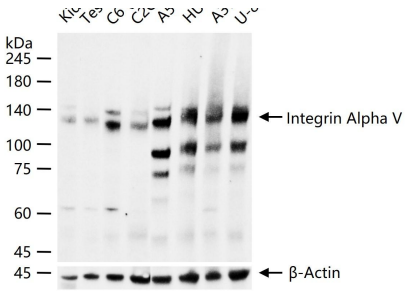


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with Integrin Alpha V monoclonal antibody, unconjugated (SLA2728M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

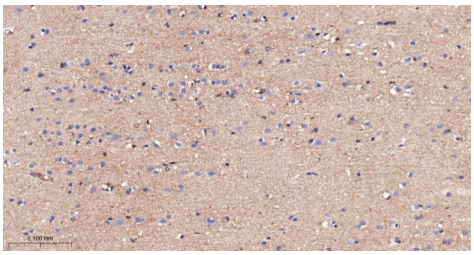


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Integrin Alpha V Monoclonal Antibody, Unconjugated(SLA2728M) at 1:400 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

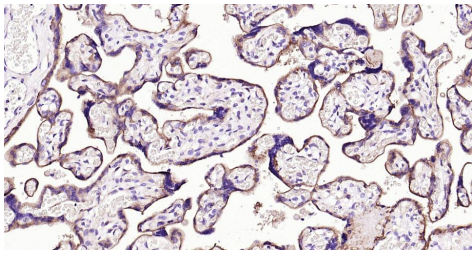


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Integrin Alpha V Monoclonal Antibody, Unconjugated(SLA2728M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

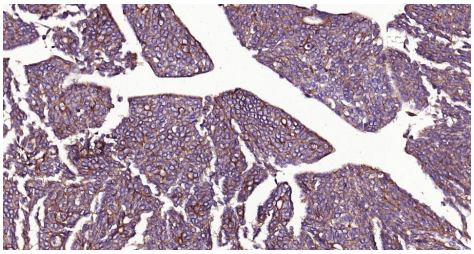


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Invasive urothelial carcinoma of the bladder; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Integrin Alpha V Monoclonal Antibody, Unconjugated(SLA2728M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

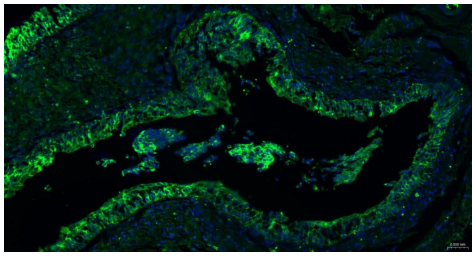


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Invasive urothelial carcinoma of bladder; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TITGAV | CD51 Antibody, Unconjugated (SLA2728M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

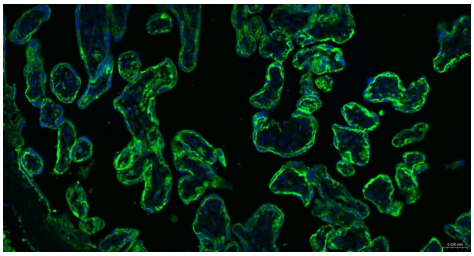


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with TITGAV | CD51 Antibody, Unconjugated (SLA2728M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Green, SL0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

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