

Product Datasheet

Integrin Alpha V Rabbit Polyclonal Antibody (orb10927)

Catalog Number	orb10927
Category	Antibodies
Description	Integrin Alpha V Rabbit Polyclonal Antibody
Target	ITGAV
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Mouse, Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Integrin Alpha V
UniProt ID	P06756
RRID	AB_10751534

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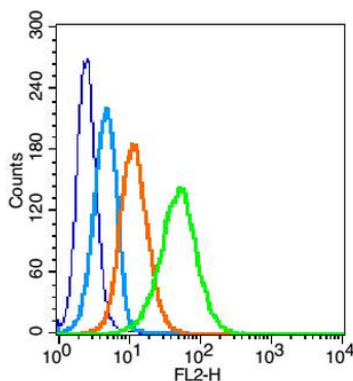
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MW	120-145 kDa
Tested applications	IF, IHC-Fr, IHC-P, IP, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, IP=1:20-50
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: U937 (blue). Primary Antibody: Rabbit Anti-Integrin Alpha V + Beta 3 (CD51+CD61) antibody (orb10927), Dilution: 1 µg in 100 µl 1X PBS containing 0.5% BSA, Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions, Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol, The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (orb10927, 1 µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20000 events was performed.

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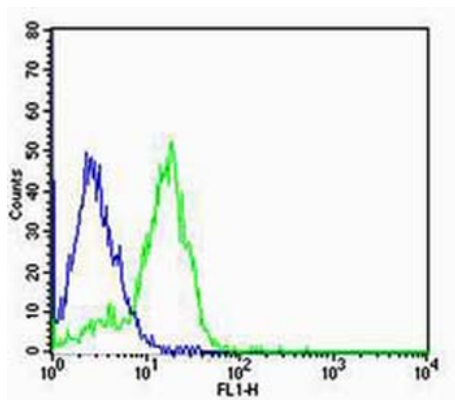
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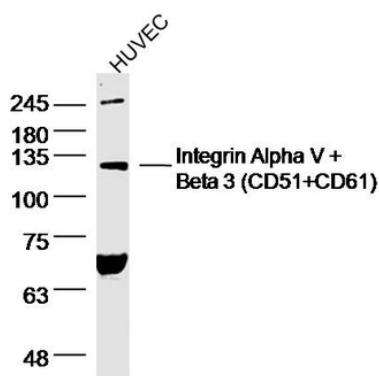
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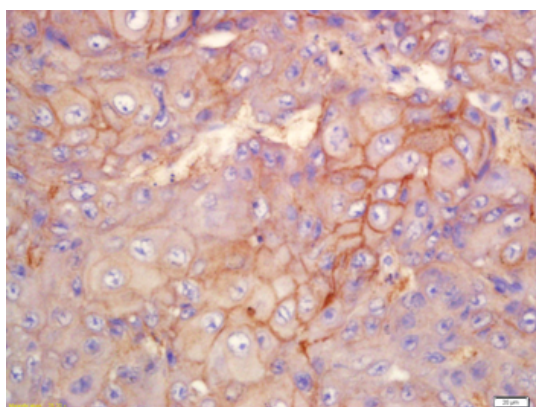
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Cell: MCF-7, Concentration: 1:100, Host/Isotype: Rabbit/IgG, Flow cytometric analysis of Rabbit IgG isotype control (Cat#: orb10927) on MCF-7 (green) compared with control in the absence of primary antibody (blue) followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L) secondary antibody.



Sample: HUVEC (human) cell Lysate at 40 ug, Primary: Anti-Integrin Alpha V + Beta 3 (CD51+CD61) (orb10927) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 116 kD, Observed band size: 120 kD.



Tissue/Cell: Human laryngeal tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Integrin Alpha V + Beta 3 (CD51 + CD61) Polyclonal Antibody, Unconjugated (orb10927) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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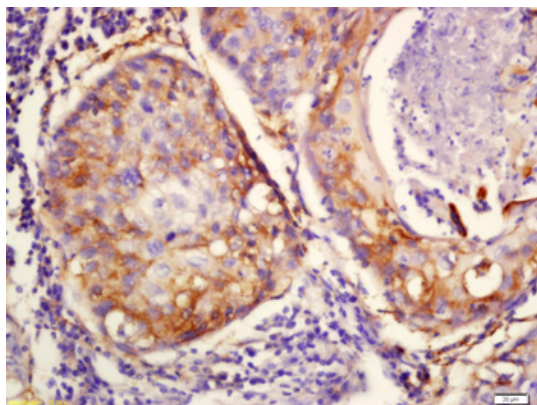
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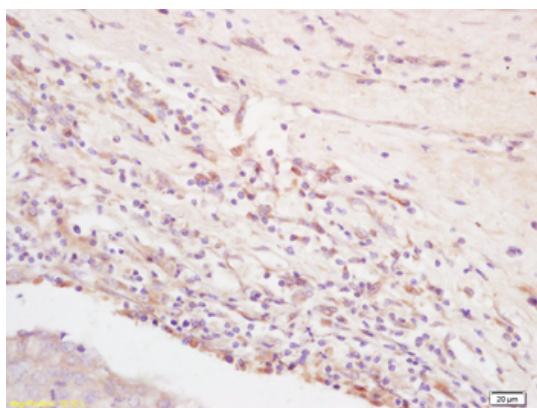
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Tissue/Cell: Human lung cancer tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Integrin Alpha V + Beta 3 (CD51 + CD61) Polyclonal Antibody, Unconjugated (orb10927) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



Tissue/Cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Integrin Alpha V + Beta 3 (CD51+CD61) Polyclonal Antibody, Unconjugated (orb10927) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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