

ITGAV Rabbit pAb

ITGAV Rabbit pAb
Catalog # AP94682

Product Information

Application	IHC-P, IHC-F, IF, E
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Integrin alpha-V light chain
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell Membrane
SIMILARITY	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
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-V associates with either beta-1, beta-3, beta-5, beta-6 or beta-8 subunit. Interacts with HIV-1 Tat. Alpha-V/beta-6 binds to foot-and-mouth disease virus (FMDV) VP1 protein and acts as a receptor for this viru. Alpha-V/beta-6 binds to coxsackievirus A9 and coxsackievirus B1 capsid proteins and acts as a receptor for these viruses. Interacts with RAB25.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumour cells. ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8; ITGB1, ITGB3, ITGB5, ITGB6, and ITGB8), each can interact with extracellular matrix ligands; the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction.

Additional Information

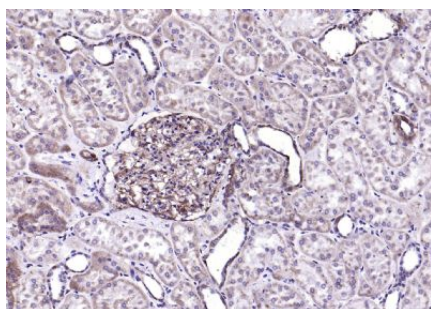
Dilution	IHC-P=1:500-2000,IHC-F=1:500-2000,IF=1:100-500,ELISA=1:5000-10000
-----------------	---

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

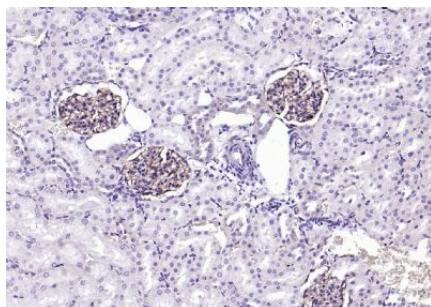
Background

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

Images



Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ITGAV) Polyclonal Antibody, Unconjugated (AP94682) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ITGAV) Polyclonal Antibody, Unconjugated (AP94682) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.