

## ITGAV Antibody

Catalog No: #32595

Package Size: #32595-1 50ul #32595-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

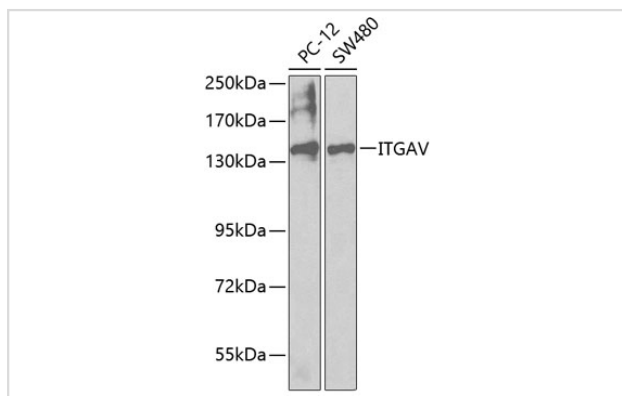
## Description

Product Name	ITGAV Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ITGAV protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human ITGAV.
Target Name	ITGAV
Other Names	CD51; MSK8; VNRA; VTNR;
Accession No.	Swiss-Prot:P06756NCBI Gene ID:3685
Uniprot	P06756
GeneID	3685;
SDS-PAGE MW	115KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

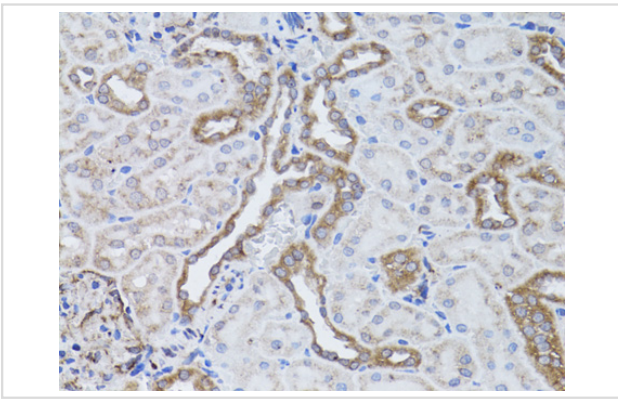
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

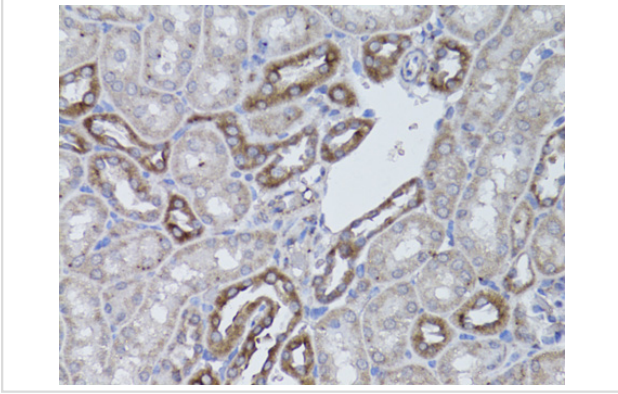
## Images



Western blot analysis of extracts of various cell lines, using ITGAV at 1:500 dilution.



Immunohistochemistry of paraffin-embedded rat kidney using ITGAV at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using ITGAV at dilution of 1:50 (40x lens).

## Background

Integrins are  $\alpha/\beta$  heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18  $\alpha$  and 8  $\beta$  subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities (3). Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with extracellular environment (inside-out signaling) (1,2). Several  $\alpha V$  subfamily members, including  $\alpha V\beta 3$ ,  $\alpha V\beta 5$ ,  $\alpha V\beta 1$ , are highly expressed in active endothelial cells and cancer cells (3-6) where they play a critical role in angiogenesis and tumor metastasis (7-9). Therefore, interest has focused on  $\alpha V$  integrin as a key therapeutic target in the treatment of cancer (10-12).

Note: This product is for in vitro research use only