



Rabbit Anti-TIN-Ag antibody

SL13712R

Product Name:	TIN-Ag
Chinese Name:	肾小管间质肾炎抗原抗体
Alias:	TINAG; TIN AG; TIN-Ag; TIN1; TIN2; TINAG; TINAG_HUMAN; Tubulointerstitial nephritis antigen.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TIN-Ag:301-400/476
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:	Function: Mediates adhesion of proximal tubule epithelial cells via integrins alpha3-beta1 and alphaV-beta3. This is a non catalytic peptidase C1 family protein.

Subcellular Location:

Secreted; extracellular space; extracellular matrix; basement membrane.

Tissue Specificity:

Expressed in the kidney cortex, small intestine and cornea.

Post-translational modifications:

It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus 2 alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both.

DISEASE:

Initially observed in the Bowman capsule during early glomerular capillary loop formation in the kidney. In more developmentally mature glomeruli, following transition from early to mid-capillary loop stage, expression is higher in the proximal tubular basement membrane than in the distal basement membrane and Bowman capsule.

Similarity:

Belongs to the peptidase C1 family.
Contains 1 SMB (somatomedin-B) domain.

SWISS:

Q9UJW2

Gene ID:

27283

Database links:

[Entrez Gene: 27283](#) Human

[Omim: 606749](#) Human

[SwissProt: Q9UJW2](#) Human

[Unigene: 127011](#) Human

Important Note:

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

肾小管间质性肾炎抗原(tubulointerstitial nephritis antigen, TINag)是一种主要表达在肾脏近曲小管基底膜,少部分表达在远端小管和

鲍曼囊以及肠黏膜基底膜的膜glycoprotein, TINag与IV型Collagen protein和层粘连蛋白等Extracellular matrix具有较高的亲和力,对维持小管基底膜的结构与功能具有重要作用.

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