

For Research Use Only

# VCAN Polyclonal antibody, PBS Only

Catalog Number: 30599-1-PBS



## Basic Information

### Catalog Number:

30599-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG30151

### GenBank Accession Number:

NM\_004385

### GeneID (NCBI):

1462

### UNIPROT ID:

P13611

### Full Name:

versican

### Calculated MW:

373 kDa

### Observed MW:

250-300 kDa, 550 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

### Species Specificity:

human, mouse

## Background Information

Versican, a component of the extracellular matrix and a member of the lectican family of proteoglycans, is the largest chondroitin sulfate proteoglycan and has an important role in the development of the heart, musculoskeletal system and central nervous system (CNS). The structure of versican is characterized by an approximately 550-kDa core protein consisting of an amino-terminal (G1) hyaluronan binding domain, a carboxy-terminal (G3) domain, and two central chondroitin sulfate glycosaminoglycan attachment domains, the  $\alpha$ -GAG and  $\beta$ -GAG domains. Versican has four different isoforms that differ in the central GAG attachment domain: V0 (contains both  $\alpha$  and  $\beta$  GAG domains), V1 (contains only the  $\beta$  domain), V2 (contains only the  $\alpha$  domain) and V3 (devoid of both GAG domains) (PMID: 26385570).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

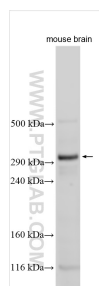
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

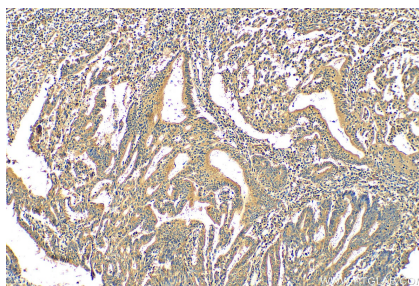
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

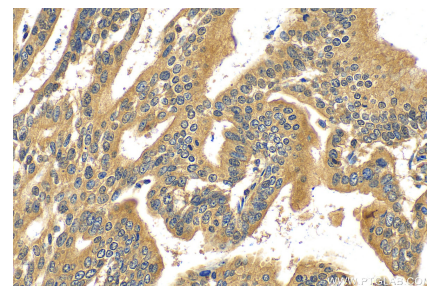
## Selected Validation Data



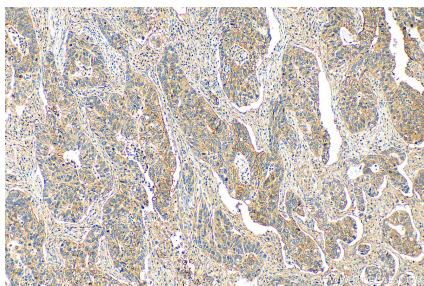
Various lysates were subjected to SDS PAGE followed by western blot with 30599-1-AP (VCAN antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



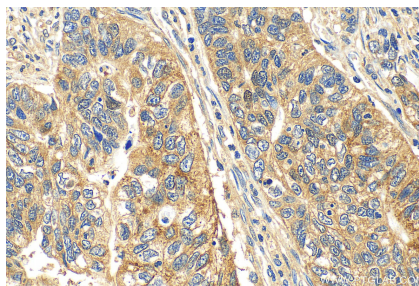
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



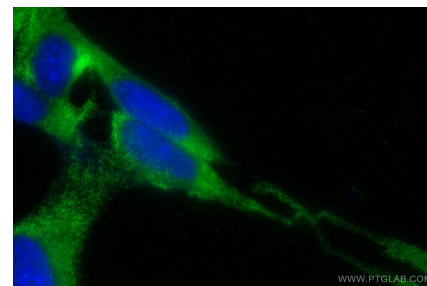
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



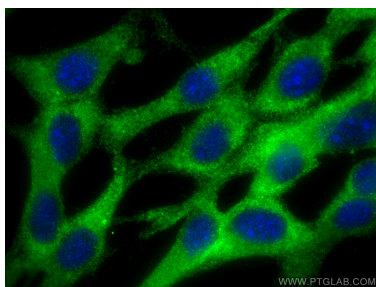
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using VCAN antibody (30599-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using VCAN antibody (30599-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 30599-1-PBS in a different storage buffer formulation.