

For Research Use Only

VCAN Polyclonal antibody

Catalog Number: 30599-1-AP



Basic Information

Catalog Number: 30599-1-AP	GenBank Accession Number: NM_004385	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 1462	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P13611	IHC 1:200-1:800
Isotype: IgG	Full Name: versican	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG30151	Calculated MW: 373 kDa	
	Observed MW: 250-300 kDa, 550 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human stomach cancer tissue, human endometrial cancer tissue
	IF/ICC : NIH/3T3 cells,

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 α -GAG and β -GAG domains. Versican has four different isoforms that differ in the central GAG attachment domain: V0 (contains both α and β GAG domains), V1 (contains only the β domain), V2 (contains only the α domain) and V3 (devoid of both GAG domains) (PMID: 26385570).

Storage

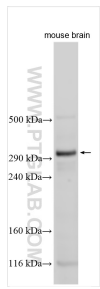
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

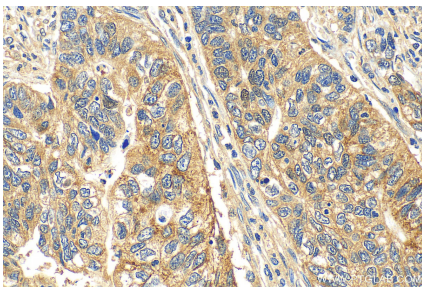
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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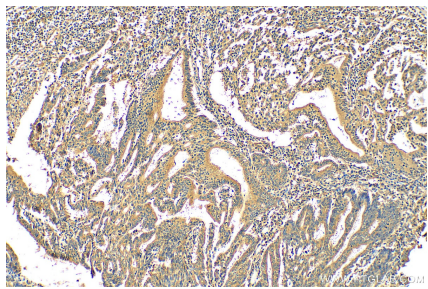
Selected Validation Data



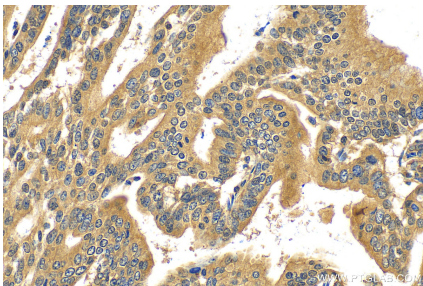
Various lysates were subjected to SDS PAGE followed by western blot with 30599-1-AP (VCAN antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



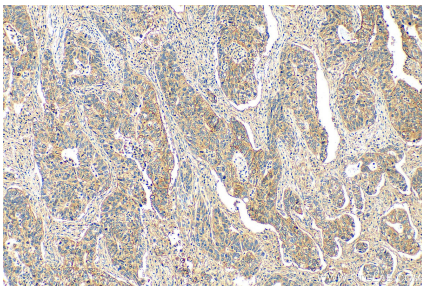
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



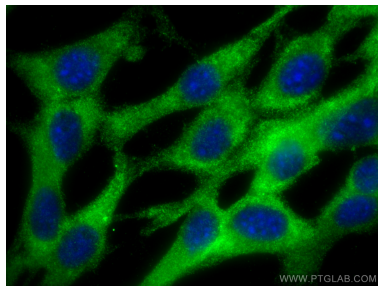
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



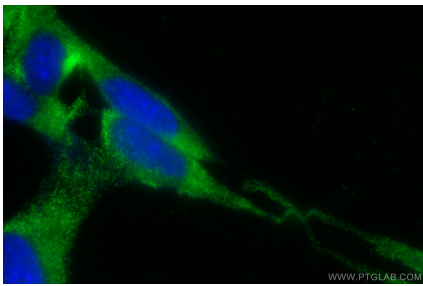
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 30599-1-AP (VCAN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



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).