

For Research Use Only

# VEGFC Polyclonal antibody

Catalog Number: 22601-1-AP **29 Publications**



## Basic Information

<b>Catalog Number:</b> 22601-1-AP	<b>GenBank Accession Number:</b> BC035212	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 700 µg/ml	<b>GeneID (NCBI):</b> 7424	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49767	
<b>Isotype:</b> IgG	<b>Full Name:</b> vascular endothelial growth factor C	
<b>Immunogen Catalog Number:</b> AG18182	<b>Calculated MW:</b> 419 aa, 47 kDa	
	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, RAW 264.7 cells, HCT 116 cells, SW480 cells
<b>Cited Applications:</b> WB, IHC, IF	<b>IHC :</b> human prostate cancer tissue, human lung cancer tissue
<b>Species Specificity:</b> human, mouse	<b>IF :</b> RAW 264.7 cells,
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

VEGFC is a member of the platelet-derived growth factor / vascular endothelial growth factor (PDGF/VEGF) family. The main function of VEGFC is to promote the growth of lymphatic vessels (Lymphangiogenesis). It acts on lymphatic endothelial cells (LECs) primarily via its receptor VEGFR-3 promoting survival, growth, and migration.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lan Wang	36076297	Fluids Barriers CNS	WB
Chunhua Wei	31498117	Aging (Albany NY)	WB
Lin Tian	36056333	BMC Complement Med Ther	IHC

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

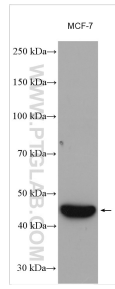
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

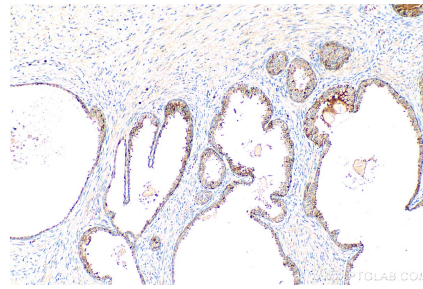
W: [ptgcn.com](http://ptgcn.com)

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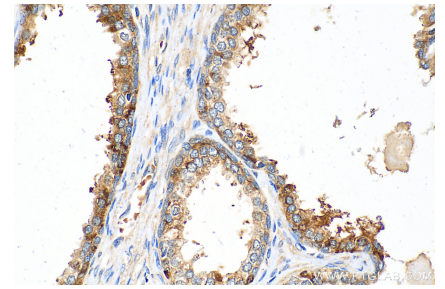
## Selected Validation Data



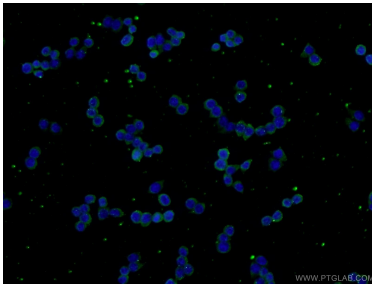
MCF-7 cells were subjected to SDS PAGE followed by western blot with 22601-1-AP (VEGFC antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 22601-1-AP (VEGFC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 22601-1-AP (VEGFC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of RAW 264.7 cells using 22601-1-AP (VEGFC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).