

## VEGF-C Rabbit pAb

CatalogNo: YT5297

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 42kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC: 1:100-1:300****ELISA 1:20000****IF 1:50-200**

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

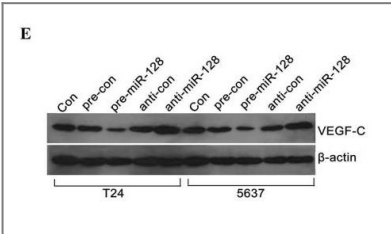
### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from the Internal region of human VEGFC. AA range: 91-140**Specificity** VEGF-C Polyclonal Antibody detects endogenous levels of VEGF-C protein.

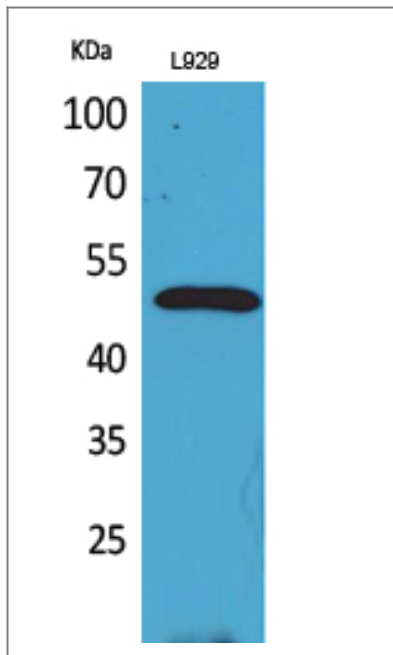
### Target Information

Gene name	VEGFC		
Protein Name	Vascular endothelial growth factor C		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">7424;</a>	<a href="#">P49767;</a>
	Mouse	<a href="#">22341;</a>	<a href="#">P97953;</a>
	Rat	<a href="#">114111;</a>	<a href="#">O35757;</a>
Cellular Localization	Secreted.		
Tissue specificity	Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte.		
Function	<p>Function:Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (Flk1) and VEGFR-3 (Flt4) receptors.,PTM:Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3, but only the fully processed form could activate VEGFR-2. VEGF-C first form an antiparallel homodimer linked by disulfide bonds. Before secretion, a cleavage occurs between Arg-227 and Ser-228 producing an heterotetramer. The next extracellular step of the processing removes the N-terminal propeptide. Finally the mature VEGF-C is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions.,similarity:Belongs to the PDGF/VEGF growth factor family.,subunit:Homodimer; non-covalent and antiparallel.,tissue specificity:Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte.,</p>		

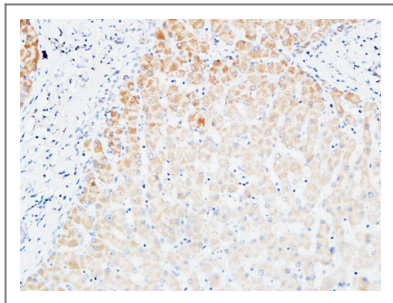
| Validation Data



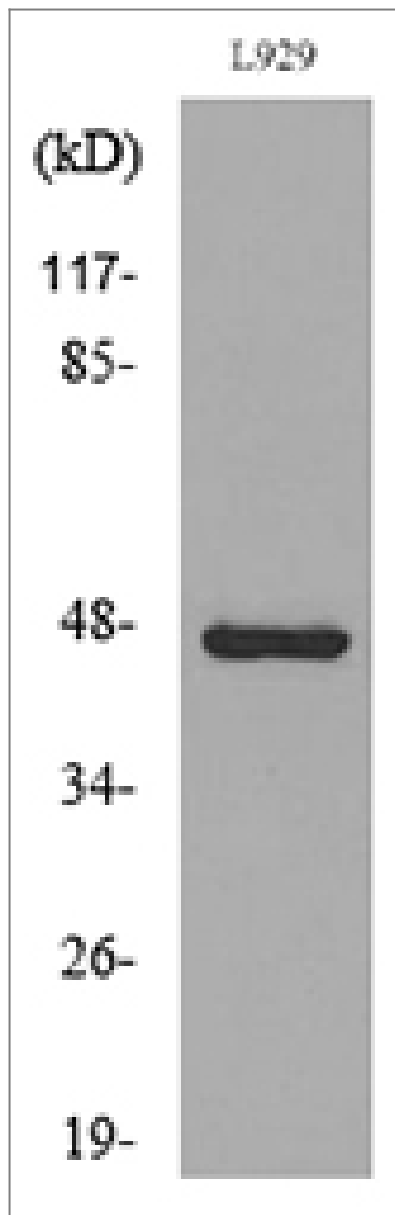
Zhou, X. U., et al. "miR-128 downregulation promotes growth and metastasis of bladder cancer cells and involves VEGF-C upregulation." Oncology letters 10.5 (2015): 3183-3190.



Western Blot analysis of L929 cells using VEGF-C Polyclonal Antibody. Antibody was diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human Liver. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysate from L929 cells, using VEGFC Antibody.

## Contact information

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Please scan the QR code  
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product information:  
**VEGF-C Rabbit pAb**