

## Product datasheet for **TA365856S**

### VEGFA Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC   |
| Recommended Dilution: | IHC: 50-200<br>Positive control: Human colorectal cancer<br>Predicted cell location: Secreted |
| Reactivity:           | Human, Mouse, Rat   |
| Host:                 | Rabbit  |
| Isotype:              | IgG   |
| Clonality:            | Polyclonal  |
| Immunogen:            | Fusion protein of human VEGFA   |
| Formulation:          | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol  |
| Purification:         | Antigen affinity purification   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store at -20°C.   |
| Stability:            | 1 year  |
| Gene Name:            | vascular endothelial growth factor A  |
| Database Link:        | <a href="#">Entrez Gene 7422 Human P15692</a>   |

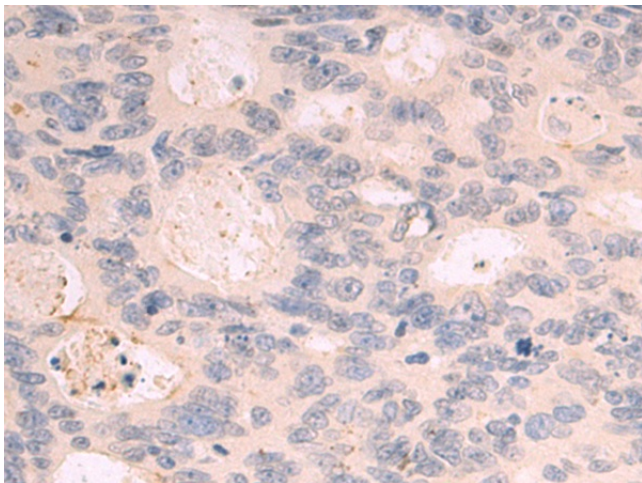
**Background:** This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms.



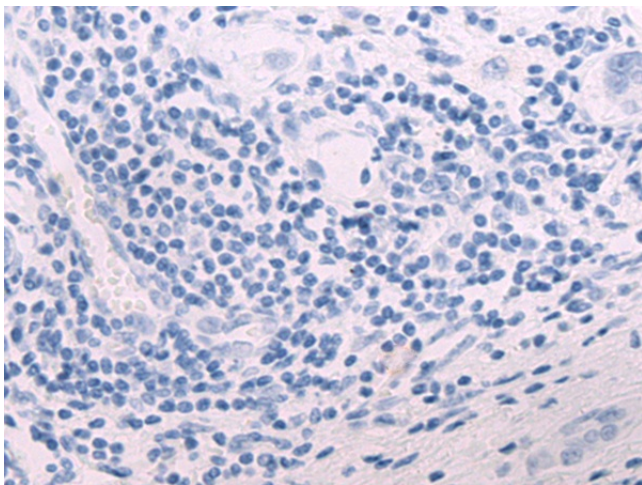
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Synonyms: MGC70609; MVCD1; VEGF; VEGF-A; VPF

### Product images:



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA365856] (VEGFA Antibody) at dilution 1/80 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA365856] (VEGFA Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: x200)