

## Rabbit anti-Human FLT1 / VEGFR1 Polyclonal Antibody | anti-FLT1 antibody

Rabbit Polyclonal to Human FLT1 / VEGFR1

|                              |                       |                            |                                             |
|------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA50682</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|------------------------------|-----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

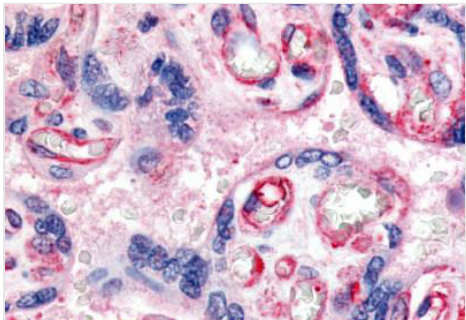
FLT1 / VEGFR1; Polyclonal Antibody; Rabbit Polyclonal to Human FLT1 / VEGFR1; Anti-FLT1 / VEGFR1 Antibody (C-Terminus) IHC-plus; FLT1; FLT; FLT-1; Fms-related tyrosine kinase 1; SFlt1; VEGF-r1; VEG-R1; Tyrosine-protein kinase FRT; VEGFR-1; Fms-like tyrosine kinase 1; FRT; VEGF receptor 1; VEGFf-rl; VEGFR1; Human FLT1; anti-FLT1 antibody

### PRODUCT SPECIFICATIONS

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| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Specificity                                    | Human VEGFR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                   |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                                                               |
| Form/Format                                    | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                               |
| Concentration                                  | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                             |
| Sequence Length                                | 1338                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-FLT1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                            |
| Immunogen                                      | Synthetic 17 amino acid peptide from C-terminus of human VEGFR1. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Monkey (88%); Gibbon (82%).                                                                                                                                            |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                                                                     |
| Immunogen Species                              | Human                                                                                                                                                                                                                                                                                                                 |
| Epitope                                        | C-terminus                                                                                                                                                                                                                                                                                                            |
| Disclaimer                                     | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

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|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <b>Preparation and Storage</b>                   | <p>Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

IMAGES



**IHC (Immunohistochemistry)**  
Anti-VEGFR1 antibody IHC of human placenta, fetal capillary endothelial cells.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

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|--------------------------------------------------|--------------------------------------------------|
| Product Categories/Family for anti-FLT1 antibody | Family: Protein Kinase; Subfamily: VEGF Receptor |
|--------------------------------------------------|--------------------------------------------------|

NCBI AND UNIPROT INFORMATION

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|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 156104876                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 2321                                                                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_002010.2                                                                                                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_002019.4                                                                                                                                                                                                                                                                                   |
| UniProt Accession #              | P17948; O60722; A3E342; A3E344; A8KA71; B0LPF1; B2BF46; B2BF47; B2BF48; B3FR89; B5A923; F5H5L6                                                                                                                                                                                                |
| NCBI Official Full Name          | vascular endothelial growth factor receptor 1 isoform 1                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | fms-related tyrosine kinase 1                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | FLT1                                                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | FLT; FLT-1; VEGFR1; VEGFR-1                                                                                                                                                                                                                                                                   |
| NCBI Protein Information         | vascular endothelial growth factor receptor 1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) |
| UniProt Protein Name             | Vascular endothelial growth factor receptor 1                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | FLT1                                                                                                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | FLT; FRT; VEGFR1; VEGFR-1; FLT-1; FLT                                                                                                                                                                                                                                                         |
| UniProt Entry Name               | VGFR1_HUMAN                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/flt1-vegfr1-antibody-immunohistochemistry-elisa/50682>