

## Rabbit Flt-1 Polyclonal Antibody | anti-Flt-1 antibody

Flt-1 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA294832</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

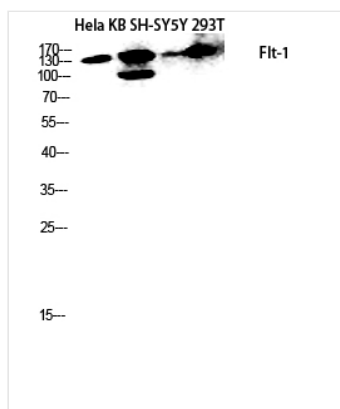
### PRODUCT SYNONYMS

Flt-1; Polyclonal Antibody; Flt-1 Polyclonal Antibody; FLT1; FLT; FRT; VEGFR1; Vascular endothelial growth factor receptor 1; VEGFR-1; Fms-like tyrosine kinase 1; FLT-1; Tyrosine-protein kinase FRT; Tyrosine-protein kinase receptor FLT; Vascular permeability factor receptor; anti-Flt-1 antibody

### PRODUCT SPECIFICATIONS

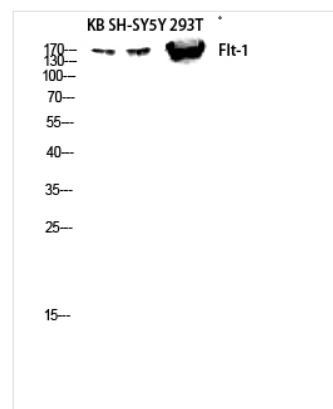
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|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-Flt-1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

Dilution: Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.



#### IHC (Immunohistochemistry)

Dilution: Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Flt-1 antibody | Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFA, VEGFB and PGF, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. May play an essential role as a negative regulator of embryonic angiogenesis by inhibiting excessive proliferation of endothelial cells. Can promote endothelial cell proliferation, survival and angiogenesis in adulthood. Its function in promoting cell proliferation seems to be cell-type specific. Promotes PGF-mediated proliferation of endothelial cells, proliferation of some types of cancer cells, but does not promote proliferation of normal fibroblasts (in vitro). Has very high affinity for VEGFA and relatively low protein kinase activity; may function as a negative regulator of VEGFA signaling by limiting the amount of free VEGFA and preventing its binding to KDR. Likewise, isoforms lacking a transmembrane domain, such as isoform 2, isoform 3 and isoform 4, may function as decoy receptors for VEGFA. Modulates KDR signaling by forming heterodimers with KDR. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG leads to the production of the cellular signaling molecules diacylglycerol and inositol 1, 4, 5-trisphosphate and the activation of protein kinase C. Mediates phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase, leading to activation of phosphatidylinositol kinase and the downstream signaling pathway. Mediates activation of MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Phosphorylates SRC and YES1, and may also phosphorylate CBL. Isoform 1 phosphorylates PLCG. Promotes phosphorylation of AKT1 at 'Ser-473'. Promotes phosphorylation of PTK2/FAK1. Isoform 7 has a truncated kinase domain; it increases phosphorylation of SRC at 'Tyr-418' by unknown means and promotes tumor cell invasion. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 229892220                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 2321                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001153392.1                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001159920.1                                                                                                                                                                                                                                                  |
| UniProt Accession #              | P17948; O60722; P16057; A3E342; A3E344; A8KA71; B0LPF1; B2BF46; B2BF47; B3FR89; B5A923; F5H5L6                                                                                                                                                                  |
| Molecular Weight                 | 150,769 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | vascular endothelial growth factor receptor 1 isoform 2                                                                                                                                                                                                         |
| 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 |
| 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/flt-1-antibody-immunohistochemistry-western-blot-elisa/294832>