Datasheet for ABIN969147

# anti-FLT4 antibody

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | FLT4 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This FLT4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

## Product Details

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| Immunogen: | Purified recombinant fragment of human FLT4 expressed in E. coli. |
| Clone: | 4H4 |
| Isotype: | IgG1 |
| Purification: | purified |

## Target Details

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|---|---|
| Target: | FLT4 |
| Alternative Name: | FLT4 (FLT4 Products) |
| Background: | Description: This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA. Tissue specificity: Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas |

## Target Details

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| | and brain. VEGFR-3 is induced in all endothelial cells (EC's) during early embryogenesis, and its expression eventually disappears from the vascular endothelial cells of adult tissues. VEGFR-3 is constitutively expressed in the adult lymphatic endothelium. Although VEGFR-3 is not expressed in adult blood vessels, it is induced in vascular endothelial cells of tumor-bearing tissues.VEGFR-3 expression in adults is largely restricted to the endothelial cells of the lymphatic system, and high endothelial venules (HEV).<br>Aliases: PCL, FLT41, LMPH1A, VEGFR3, FLT4 |
| Molecular Weight: | 145 kDa |
| Gene ID: | 2324 |
| HGNC: | 2324 |
| Pathways: | RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGF Signaling |

## Application Details

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| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Buffer: | Ascitic fluid containing 0.03 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | 4°C, -20°C for long term storage |

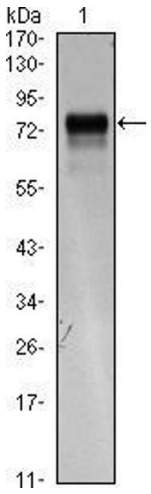
## Publications

| | |
|---|---|
| Product cited in: | Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) (PubMed).<br><br>Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in |

## Publications

development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) (PubMed).

## Images




**Western Blotting**

**Image 1.** Western blot analysis using FLT4 mAb against FLT4(AA: 25-330)-hIgGFc transfected HEK293 cell lysate.