

Datasheet for ABIN746815

**anti-VEGFR2/CD309 antibody (pTyr996) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                                    |
|----------------------|----------------------------------------------------|
| Quantity:            | 100 µL                                             |
| Target:              | VEGFR2/CD309 (VEGFR2)                              |
| Binding Specificity: | pTyr996                                            |
| Reactivity:          | Human                                              |
| Host:                | Rabbit                                             |
| Clonality:           | Polyclonal                                         |
| Conjugate:           | This VEGFR2/CD309 antibody is conjugated to Biotin |
| Application:         | Western Blotting (WB), ELISA                       |

## Product Details

|                       |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human VEGF receptor 2 around the phosphorylation site of Tyr996 |
| Isotype:              | IgG                                                                                                                  |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Guinea Pig                                                          |
| Purification:         | Purified by Protein A.                                                                                               |

## Target Details

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Target:           | VEGFR2/CD309 (VEGFR2)                                                          |
| Alternative Name: | Vegf Receptor 2 ( <a href="#">VEGFR2 Products</a> )                            |
| Background:       | Synonyms: VEGFR2Tyr996, VEGFR2Y996, p-VEGFR2Tyr996, p-VEGFR2Y996, CD309, CD309 |

## Target Details

antigen, Fetal liver kinase 1, FLK-1, FLK1, KDR, Kinase insert domain receptor a type III receptor tyrosine kinase, Kinase insert domain receptor, KRD1, Ly73, Protein tyrosine kinase receptor FLK1, Protein-tyrosine kinase receptor flk-1, Tyrosine kinase growth factor receptor, Vascular endothelial growth factor receptor 2, VEGFR 2, VEGFR, VEGFR-2, VEGFR2, VGFR2\_HUMAN.

Background: Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009].

|           |                                                                                                                                                                                                                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 3791                                                                                                                                                                                                                                                                                                 |
| Pathways: | <a href="#">RTK Signaling</a> , <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Growth Factor Binding</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a> , <a href="#">VEGF Signaling</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB 1:300-5000         |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C for 12 months.                                                                                      |

## Handling

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Expiry Date: 12 months