

Datasheet for ABIN746813

**anti-VEGFR2/CD309 antibody (pTyr996)**[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 un-conjugated |
| 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: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Handling

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Expiry Date: 12 months