

Datasheet for ABIN7426274

## anti-VEGFR2/CD309 antibody (AA 46-320)



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### 1 Image

#### Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | VEGFR2/CD309 (VEGFR2)                                                                                  |
| Binding Specificity: | AA 46-320                                                                                              |
| Reactivity:          | Human                                                                                                  |
| Host:                | Mouse                                                                                                  |
| Clonality:           | Monoclonal                                                                                             |
| Conjugate:           | This VEGFR2/CD309 antibody is un-conjugated                                                            |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

#### Product Details

|                   |                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Monoclonal Antibody to Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)                                                                                                     |
| Immunogen:        | Recombinant Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) corresponding to Asn46~Thr320 with N-terminal His Tag                                                          |
| Clone:            | C5                                                                                                                                                                                |
| Isotype:          | IgG2b kappa                                                                                                                                                                       |
| Specificity:      | The antibody is a mouse monoclonal antibody raised against VEGFR2. It has been selected for its ability to recognize VEGFR2 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Mouse, Rat                                                                                                                                                                        |
| Purification:     | Protein A + Protein G affinity chromatography                                                                                                                                     |

## Target Details

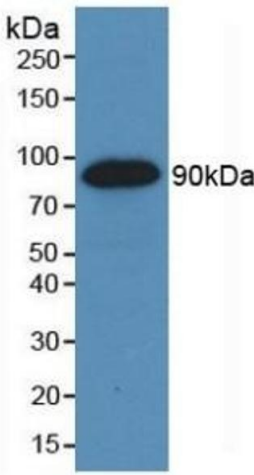
|                   |                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | VEGFR2/CD309 (VEGFR2)                                                                                                                                                                                                                                                                                |
| Alternative Name: | VEGFR2 ( <a href="#">VEGFR2 Products</a> )                                                                                                                                                                                                                                                           |
| Background:       | CD309, FLK1, VEGFR, KDR, A Type III Receptor Tyrosine Kinase, Kinase Insert Domain Receptor, Kinase Insert Domain Receptor, Fetal Liver Kinase-1                                                                                                                                                     |
| UniProt:          | <a href="#">P35968</a>                                                                                                                                                                                                                                                                               |
| 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: | Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.                                                                                                                                                                        |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                          |
| Concentration:     | 1 mg/mL                                                                                                                                                         |
| Buffer:            | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                     |
| 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:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date:       | 24 months                                                                                                                                                       |



**Western Blotting**

**Image 1.** Detection of Recombinant VEGFR2, Human using Monoclonal Antibody to Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)