Datasheet for ABIN5542402

# anti-VEGFA antibody (AA 207-371)

5 Images

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## Overview

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|---|---|
| Quantity: | 0.1 mg |
| Target: | VEGFA |
| Binding Specificity: | AA 207-371 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This VEGFA antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS) |

## Product Details

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| Immunogen: | Purified recombinant fragment of human VEGFA (AA: 207-371) expressed in E. coli. |
| Clone: | 6G5A10 |
| Isotype: | IgG1 |
| Purification: | purified |

## Target Details

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|---|---|
| Target: | VEGFA |
| Alternative Name: | VEGFA (VEGFA Products) |
| Background: | Description: This gene is a member of the PDGF/VEGF growth factor family. It encodes a |

## Target Details

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|---|---|
| | heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is antiangiogenic. Expression of some isoforms derived from the AUG start codon is regulated by a small upstream open reading frame, which is located within an internal ribosome entry site., Aliases: VPF, VEGF, MVCD1 |
| Molecular Weight: | 27 kDa |
| Gene ID: | 7422 |
| HGNC: | 7422 |
| Pathways: | RTK Signaling, Glycosaminoglycan Metabolic Process, Regulation of Cell Size, Tube Formation, Signaling Events mediated by VEGFR1 and VEGFR2, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling |

## Application Details

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| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400 |
| Restrictions: | For Research Use only |

## Handling

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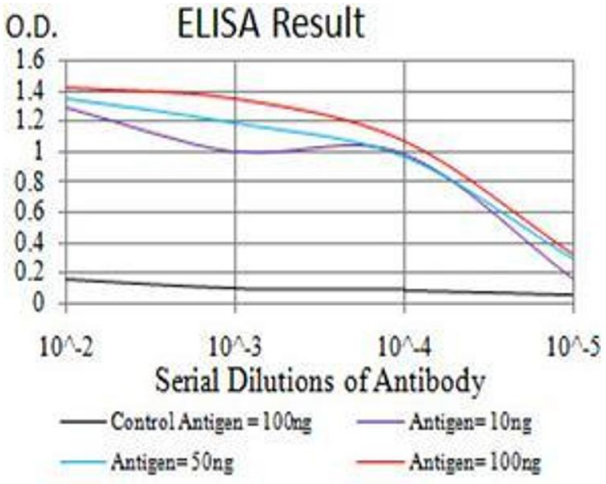
|---|---|
| Format: | Liquid |
| Buffer: | Purified antibody in PBS with 0.05 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Handling

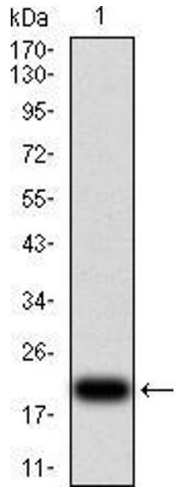
| | |
|---|---|
| Storage: | 4 °C/-20 °C |
| Storage Comment: | 4°C, -20°C for long term storage |

## Images



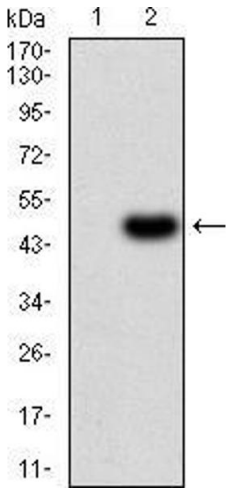

**ELISA**

**Image 1.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)




**Western Blotting**

**Image 2.** Western blot analysis using VEGFA mAb against human VEGFA (AA: 207-371) recombinant protein. (Expected MW is 20.6 kDa)




**Western Blotting**

**Image 3.** Western blot analysis using VEGFA mAb against HEK293 (1) and VEGFA (AA: 207-371)-hIgGFc transfected HEK293 (2) cell lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN5542402.