Datasheet for ABIN7602942

# anti-WIPF1 antibody (C-Term)

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## Overview

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| Quantity: | 100 µg |
| Target: | WIPF1 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This WIPF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-WIPF1 Antibody Picoband® |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human WIPF1, which shares 95% amino acid (aa) sequence identity with mouse and rat WIPF1. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-WIPF1 Antibody Picoband® (ABIN7602942). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | WIPF1 |
| Alternative Name: | WIPF1 (WIPF1 Products) |
| Background: | Synonyms: Vascular endothelial growth factor B, VEGF-B, VEGF-related factor, VRF, VEGFB, VRF<br>Tissue Specificity: Expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and pancreas.<br>Background: WAS/WASL-interacting protein (WIP) is a protein that in humans is encoded by the WIPF1 gene. This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive disorder. Impairment of the interaction between these two proteins may contribute to the disease. Two transcript variants encoding the same protein have been identified for this gene. |
| Molecular Weight: | 56 kDa |
| Gene ID: | 7456 |
| UniProt: | O43516 |
| Pathways: | RTK Signaling |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>1. Al-Mousa, H., Hawwari, A., Al-Ghonaium, A., Al-Saud, B., Al-Dhekri, H., Al-Muhsen, S., Elshorbagi, S., Dasouki, M., El-Baik, L., Alseraihy, A., Ayas, M., Arnaout, R. Hematopoietic stem cell transplantation corrects WIP deficiency. (Letter) J. Allergy Clin. Immun. 139: 1039-1040, 2017. 2. Anton, I. M., de la Fuente, M. A., Sims, T. N., Freeman, S., Ramesh, N., Hartwig, J. H., Dustin, M. L., Geha, R. S. WIP deficiency reveals a differential role for WIP and the actin cytoskeleton in T and B cell activation. Immunity 16: 193-204, 2002. 3. Gross, M. B. Personal Communication. Baltimore, Md. 2/23/2012. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |

## Handling

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| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |