

Datasheet for ABIN7600412
anti-MFAP3 antibody (AA 19-349)



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Overview

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| Quantity: | 100 µg |
| Target: | MFAP3 |
| Binding Specificity: | AA 19-349 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MFAP3 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC) |

Product Details

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| Purpose: | Anti-MFAP3 Antibody Picoband® |
| Immunogen: | E.coli-derived human MFAP3 recombinant protein (Position: A19-N349). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-MFAP3 Antibody Picoband® (ABIN7600412). Tested in ELISA, IHC, WB, Flow Cytometry 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: | MFAP3 |
| Alternative Name: | MFAP3 (MFAP3 Products) |
| Background: | <p>Synonyms: RNA-binding protein 47,RNA-binding motif protein 47,RBM47,</p> <p>Tissue Specificity: Abundantly expressed in tonsil, lymph node, and trachea, strong expression in prostate, lower expression in thyroid, stomach, and colon. .</p> <p>Background: Microfibril-associated glycoprotein 3 (MFAP3), is a member of the MFAP family which play a role in microfibril assembly, elastinogenesis, and tissue homeostasis. The family members were identified as potential components of fibrillin-containing microfibrils, but they do not share structural similarities. MFAP3 is found in ocular zonules. Human MFAP3 is a serine-rich acidic protein located in zonular fibers and consists of an extracellular domain (ECD) containing one Ig-like C2-type domain, a single transmembrane domain, and a cytoplasmic domain. Within the ECD, mature human MFAP3 shares 74 % amino acid sequence identity with mouse and rat MFAP3. Among MFAP3-related pathways are degradation of the extracellular matrix and elastic fiber formation. MFAP is a candidate gene for heritable diseases affecting microfibrils.</p> |
| Molecular Weight: | 45-50 kDa |
| Gene ID: | 4238 |
| UniProt: | P55082 |

Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Abrams, W. R., Ma, R.-I., Kucich, U., Bashir, M. M., Decker, S., Tsipouras, P., McPherson, J. D., Wasmuth, J. J., Rosenbloom, J. Molecular cloning of the microfibrillar protein MFAP3 and assignment of the gene to human chromosome 5q32-q33.2. Genomics 26: 47-54, 1995.</p> |
| 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 Na ₂ HPO ₄ . |
| 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. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |