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Datasheet for ABIN1390087

anti-TCF12 antibody (AA 51-150) (Biotin)

Overview

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| Quantity: | 100 µL |
| Target: | TCF12 |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TCF12 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human TCF12 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse, Sheep, Horse, Rabbit, Zebrafish |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | TCF12 |
| Alternative Name: | TCF12/HEB (TCF12 Products) |

Target Details

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| Background: | <p>Synonyms: bHLHb20, Class B basic helix-loop-helix protein 20, DNA binding protein HTF4, DNA-binding protein HTF4, E box binding protein, E-box-binding protein, HEB, HTF4, HTF4_HUMAN, TCF-12, Tcf12, Transcription factor 12, Transcription factor HTF-4, Transcription factor HTF4.</p> <p>Background: Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development includes Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes. Both homo- and hetero-oligomers of these proteins are able to distinguish very closely related E box proteins and are believed to play important roles in lineage specific gene expression.</p> |
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| Gene ID: | 6938 |
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| UniProt: | Q99081 |
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| Pathways: | SARS-CoV-2 Protein Interactome |
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Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: | -20 °C |

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months