



Datasheet for ABIN2786734
anti-PTPN12 antibody (Middle Region)



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2 Images

Overview

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| Quantity: | 100 µL |
| Target: | PTPN12 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Horse, Cow, Rabbit, Dog, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PTPN12 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human PTPN12 |
| Sequence: | SSIEPEKQDS PPPKPPRTRS CLVEGDAKEE ILQPPEPHPV PPILTSPSPS |
| Predicted Reactivity: | Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against PTPN12. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | PTPN12 |
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Target Details

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| Alternative Name: | PTPN12 (PTPN12 Products) |
| Background: | <p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation.</p> <p>Alias Symbols: PTP-PEST, PTPG1</p> <p>Protein Interaction Partner: VASN, TRIM47, TNS3, NUSAP1, EPN1, DNPEP, ANKS1A, GANAB, PACSIN2, DEK, UGP2, PLOD2, IFT20, THAP2, ZFP2, TEX10, RBM19, STX16, BAG6, UTRN, PSG9, SMAD5, GRB2, CSH2, CSH1, CGA, APP, WASF1, SORBS2, SHC1, UBC, EGFR, NEDD9, MYCBP2, EFS, PSTPIP2, PSTPIP1, LPXN, BC</p> <p>Protein Size: 780</p> |
| Molecular Weight: | 88 kDa |
| Gene ID: | 5782 |
| NCBI Accession: | NM_002835 , NP_002826 |
| UniProt: | Q05209 |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 780 AA |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| 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 Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PTPN12

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: HT1080 cell lysate

PTPN12 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

Western Blotting

Image 2. WB Suggested Anti-PTPN12 Antibody Titration:

0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: HT1080 cell lysate