# Rabbit anti-Human, Rat PTPN12 Polyclonal Antibody | anti-PTPN12 antibody

PTPN12 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA234101** | **Rabbit** | **Human, Rat** | **Immunohistochemistry, Western Blot, ELISA** |

## PRODUCT SYNONYMS

PTPN12; Polyclonal Antibody; PTPN12 Antibody; Tyrosine-protein phosphatase non-receptor type 12; PTP-PEST1; anti-PTPN12 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | >95%, Protein G purified |
| **Form/Format** | Liquid |
| **Sequence Length** | 661 |
| **Applicable Applications for anti-PTPN12 antibody** | IHC (Immunohistochemistry), WB (Western Blot), ELISA |
| **Immunogen** | Recombinant Human Tyrosine-protein phosphatase non-receptor type 12 protein (539-714AA) |
| **Conjugation** | Non-conjugated |
| **Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |

## IMAGES

**IHC (Immunohiostchemistry)**
IHC image of AAA234101 diluted at 1:200 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

**WB (Western Blot)**
Western BlotPositive WB detected in: Hela whole cell lysate, NIH/3T3 whole cell lysate, Rat kidney tissueAll lanes: PTPN12 antibody at 7.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 89, 73, 75 KDaObserved band size: 89 KDa

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-PTPN12 antibody** | Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:18559503). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2 (PubMed:17329398, PubMed:27134172). Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (PubMed:27134172). |

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| **Product Categories/Family for anti-PTPN12 antibody** | Signal Transduction |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 196114967 |
| **NCBI GeneID** | 5782 |
| **NCBI Accession #** | NP_001124480.1 |
| **NCBI GenBank Nucleotide #** | NM_001131008.1 |
| **UniProt Accession #** | Q05209; Q16130; Q59FD6; Q75MN8; Q86XU4; A4D1C5; B4DKY2; E9PBR5; E9PEH9 |
| **Molecular Weight** | 74,138 Da |
| **NCBI Official Full Name** | tyrosine-protein phosphatase non-receptor type 12 isoform 2 |
| **NCBI Official Synonym Full Names** | protein tyrosine phosphatase, non-receptor type 12 |
| **NCBI Official Symbol** | PTPN12 |
| **NCBI Official Synonym Symbols** | PTPG1; PTP-PEST |
| **NCBI Protein Information** | tyrosine-protein phosphatase non-receptor type 12 |
| **UniProt Protein Name** | Tyrosine-protein phosphatase non-receptor type 12 |
| **UniProt Gene Name** | **PTPN12** |
| **UniProt Synonym Gene Names** | PTPG1 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/ptpn12-antibody-immunohistochemistry-western-blot-elisa/234101