

Product datasheet for TA342181

PTPN12 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-PTPN12 antibody: synthetic peptide directed towards the middle

region of human PTPN12. Synthetic peptide located within the following region:

SSIEPEKQDSPPPKPPRTRSCLVEGDAKEEILQPPEPHPVPPILTPSPPS

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 88 kDa

Gene Name: protein tyrosine phosphatase, non-receptor type 12

Database Link: NP 002826

Entrez Gene 5782 Human

Q05209



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

Background:

The protein encoded byThis gene is a member ofThe 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. This PTP contains a Cterminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate. The product ofThe oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAKbeta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

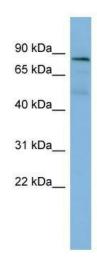
Synonyms: PTP-PEST; PTPG1

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit:

100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Bovine: 93%

Protein Families: Druggable Genome, Phosphatase

Product images:



WB Suggested Anti-PTPN12 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: HT1080 cell lysatePTPN12 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells