

Product datasheet for **AP53509PU-N**

PTPD2 (PTPN14) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 861-890aa) of human PTPN14 / PEZ (C-term)
Specificity:	This antibody recognizes PTPN14 / PEZ at C-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, non-receptor type 14
Database Link:	Entrez Gene 5784 Human Q15678



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Background:

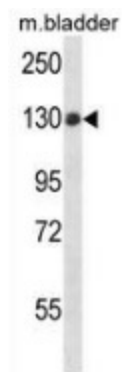
The protein encoded by the PTPN14 gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal noncatalytic domain similar to that of band 4.1 superfamily cytoskeleton-associated proteins, which suggested the membrane or cytoskeleton localization of this protein. It appears to regulate lymphatic development in mammals, and a loss of function mutation has been found in a kindred with a lymphedema-choanal atresia.

Synonyms:

PTP36, PTPD2

Note:**Molecular Weight:** 135261 Da**Protein Families:**

Druggable Genome

Product images:

Western blot analysis in mouse bladder tissue lysates (35ug/lane) using PTPN14 / PEZ antibody. (C-term). This demonstrates the PTPN14 antibody detected the PTPN14 protein (arrow).