

## AP15236PU-N

## Polyclonal Antibody to PTPRN2 (N-term) - Purified

<b>Alternate names:</b>	IA-2beta, IAR, ICAAR, Islet cell autoantigen-related protein, KIAA0387, Phogrin, R-PTP-N2, Receptor-type tyrosine-protein phosphatase N2
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	PTPIA2beta 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 possesses an extracellular region, a single transmembrane region, and a single intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus.
<b>Uniprot ID:</b>	<a href="#">Q92932</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GenelD:</b>	<a href="#">5799</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PTPIA2beta.
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium azide
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to PTPIA2beta. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>General Readings:</b>	1. Schmidli, R.S., et al., Autoimmunity 28(1):15-23 (1998). 2. Li, Q., et al., Proc. Assoc. Am. Physicians 109(4):429-439 (1997). 3. Cui, L., et al., J. Biol. Chem. 271(40):24817-24823 (1996). 4. Kawasaki, E., et al., Biochem. Biophys. Res. Commun. 227(2):440-447 (1996).

5. Smith, P.D., et al., Biochem. Biophys. Res. Commun. 229(2):402-411 (1996).

**Pictures:**

The anti-PTPIA2 beta N-term Pab is used in Western blot to detect PTPIA2 beta in C6 cell lysate.

