

## Polyclonal Antibody to PTP-U (N-term) - Purified

<b>Catalog No.:</b>	AP15227PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.25 mg/ml
<b>Background:</b>	PTP-U, a member of the receptor class 2B subfamily of protein-tyrosine phosphatases, is involved in regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. It forms complexes with beta-catenin and gamma-catenin/plakoglobin. This Type I membrane protein is found at high levels in brain, pancreas, and skeletal muscle; less in colon, kidney, liver, stomach, and uterus; no expression is observed in placenta and spleen. PTP-U is up-regulated upon cell contact. The protein contains 4 fibronectin type III domains, 1 immunoglobulin-like C2-type domain, 1 MAM domain, and 2 protein-tyrosine phosphatase domains.
<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 PTP-U.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to PTP-U. <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. Wang, H., et al., Oncogene 12(12):2555-2562 (1996).