

## PTPRN Recombinant antibody

**Cat:** B35075D**Company:** HaoKebio**Uniprot ID:** Q16849**Applications:** IHC:1:200-1:500**Organism:** Rabbit

IHC-Polymer:1:800-1:2000

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:1000-1:2500

**Molecular Weight Calculation:** 106 kDa

WB:1:1000

**Observed Molecular Weight:** 64 kDa**Background:**

The protein encoded by this 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 possesses an extracellular region, a single transmembrane region, and a single catalytic domain, and thus represents a receptor-type PTP. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus. Alternate splicing results in multiple transcript variants.

**Protein full name:**

Protein Tyrosine Phosphatase Receptor Type N

**Synonyms:**

IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Source of Reagents:**

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