



## PTP IA-2β Polyclonal Antibody

Catalog No	BYab-14964
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	PTPRN2
Protein Name	Receptor-type tyrosine-protein phosphatase N2
Immunogen	The antiserum was produced against synthesized peptide derived from human PTPRN2. AA range:206-255
Specificity	PTP IA-2β Polyclonal Antibody detects endogenous levels of PTP IA-2β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Purity	≥90%
Purity Storage Stability	≥90% -20°C/1 year  PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; R-PTP-N2;
Purity Storage Stability Synonyms	≥90% -20°C/1 year  PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; R-PTP-N2; Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin
Purity Storage Stability Synonyms Observed Band	≥90%  -20°C/1 year  PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; R-PTP-N2; Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin  111kD  Cytoplasmic vesicle, secretory vesicle membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type I membrane protein. Predominantly found on dense-core secretory granules. Sorting to secretory granules in part is dependent of the N-terminal propeptide domain of the precursor and its interaction with CPE (By similarity). Transiently found at the cell membrane, when secretory vesicles fuse with the cell membrane to release their cargo. Is then endocytosed and recycled to secretory vesicles involving clathrin-dependent AP2-mediated endocytosis. Recycled via STX6- but not TTTGN1/TGN38-containing compartments (By similarity); [IA-2beta60]: Cytoplasmic vesicle, secretory vesicle membrane.  Highest levels in brain and pancreas (PubMed:8954911, PubMed:8798755).
Purity Storage Stability Synonyms Observed Band Cell Pathway	≥90%  -20°C/1 year  PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; R-PTP-N2; Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin  111kD  Cytoplasmic vesicle, secretory vesicle membrane; Single-pass type I membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type I membrane protein. Predominantly found on dense-core secretory granules. Sorting to secretory granules in part is dependent of the N-terminal propeptide domain of the precursor and its interaction with CPE (By similarity). Transiently found at the cell membrane, when secretory vesicles fuse with the cell membrane to release their cargo. Is then endocytosed and recycled to secretory vesicles involving clathrin-dependent AP2-mediated endocytosis. Recycled via STX6- but not TTTGN1/TGN38-containing compartments (By similarity); [IA-2beta60]: Cytoplasmic vesicle, secretory vesicle membrane.

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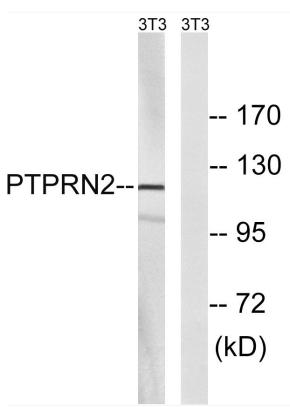


consecutive basic residues.,similari phosphatase family. Receptor class tyrosine-protein phosphatase doma and pancreas. Lower levels in trach	idergo multiple proteolytic cleavage at ty:Belongs to the protein-tyrosine 8 subfamily.,similarity:Contains 1 in.,tissue specificity:Highest levels in brain ea, prostate, stomach and spinal chord.,
tyrosine phosphatases. However, ty experimentally validated for this pro the encoded protein may instead fu with the ability to dephosphorylate phosphatidylinositol 4,5-diphosphat regulation of insulin secretion. This	sequence similarity to receptor-like protein rosine phosphatase activity has not been tein. Studies of the rat ortholog suggest that action as a phosphatidylinositol phosphatase phosphatidylinositol 3-phosphate and e, and this function may be involved in the protein has been identified as an autoantigen us. Alternative splicing results in multiple Seq, Feb 2015],
matters needing Avoid repeated freezing and thawin attention	g!
Usage suggestions  This product can be used in immune more information, please consult technique.	ological reaction related experiments. For chnical personnel.

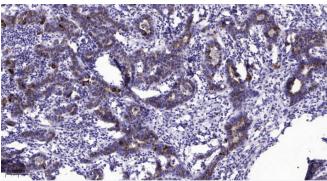




## **Products Images**



Western blot analysis of lysates from NIH/3T3 cells, using PTPRN2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).