

DATASHEET

PTP IA-2 Rabbit Polyclonal Antibody

CAT. NO. APA14538

KEY FEATURES

Target	PTP IA-2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Plays a role in vesicle-mediated secretory processes . Required for normal accumulation of secretory vesicles in hippocampus, pituitary and pancreatic islets . Required for the accumulation of normal levels of insulin-containing vesicles and preventing their degradation . Plays a role in insulin secretion in response to glucose stimuli . Required for normal accumulation of the neurotransmitters norepinephrine, dopamine and serotonin in the brain . In females, but not in males, required for normal accumulation and secretion of pituitary hormones, such as luteinizing hormone (LH) and follicle-stimulating hormone (FSH) . Required to maintain normal levels of renin expression and renin release . Seems to lack intrinsic enzyme activity .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

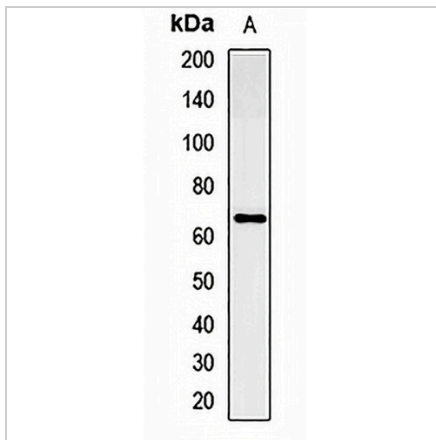
Description	Rabbit polyclonal antibody to PTP IA-2
Specificity	Recognizes endogenous levels of PTP IA-2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PTP IA-2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 96; Observed: 66 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ICA3; ICA512; Receptor-type tyrosine-protein phosphatase-like N; R-PTP-N; Islet cell antigen 512; ICA 512; Islet cell autoantigen 3; PTP IA-2
Gene Symbol	PTPRN
Entrez Gene	5798(Human); 116660(Rat)
SwissProt	Q16849(Human); Q60673(Mouse); Q63259(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PTP IA-2 expression in mouse stomach (A) whole cell lysates.
(Predicted band size: 96; 102; 105 kD; Observed band size: 66 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.