

Rabbit PTPRN2 / Phogrin Polyclonal Antibody | anti-PTPRN2 antibody

Anti-PTPRN2 / Phogrin Antibody (aa206-255) IHC-plus

CATALOG # AAA162217	HOST Rabbit	REACTIVITY Mouse, Rat, Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
-------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

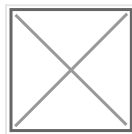
PTPRN2 / Phogrin; Polyclonal Antibody; Anti-PTPRN2 / Phogrin Antibody (aa206-255) IHC-plus; Rabbit Polyclonal (IgG) to Human PTPRN2 / Phogrin; Human PTPRN2 / Phogrin; ICAAR; Ia-2 beta; IA-2beta; PTPRP; R-PTP-N2; Phogrin; Ptp-np; IAR; KIAA0387; PTP NE-6; Tyrosine phosphatase IA-2 beta; anti-PTPRN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PTPRN2 Antibody detects endogenous levels of total PTPRN2 protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol
Sequence Length	1015
Applicable Applications for anti-PTPRN2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	PTPRN2 / Phogrin antibody was raised against synthetic peptide from human PTPRN2 (aa206-255).
Immunogen Description	Synthetic peptide from human PTPRN2 (aa206-255).
Epitope	aa206-255
Target Species	Human
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

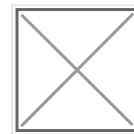
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20°C for up to one year.

IMAGES



WB (Western Blot)

Western blot of extracts from NIH-3T3 cells, using PTPRN2 Antibody. The lane on the right is treated with the synthesized peptide.



IHC (Immunohistochemistry)

Anti-PTPRN2 / Phogrin antibody IHC staining of human pancreas, islet. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097440
NCBI GeneID	5799
NCBI Accession #	NP_002838.2

NCBI GenBank Nucleotide #	NM_002847.4
UniProt Accession #	Q92932 ; Q8N4I5 ; Q92662 ; Q9Y4F8 ; Q9Y4I6 ; E9PC57
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase N2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type N2
NCBI Official Symbol	PTPRN2
NCBI Official Synonym Symbols	IAR; ICAAR; PTPRP; IA-2beta; R-PTP-N2
NCBI Protein Information	receptor-type tyrosine-protein phosphatase N2
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase N2
UniProt Gene Name	PTPRN2
UniProt Synonym Gene Names	KIAA0387; ICAAR
UniProt Entry Name	PTPR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptprn2-phogrin-antibody-western-blot-immunohistochemistry-elisa/162217>