

## Product datasheet

# Anti-PTPIA2 / PTPRN antibody [AFT38] ab75525

### Overview

<b>Product name</b>	Anti-PTPIA2 / PTPRN antibody [AFT38]
<b>Description</b>	Mouse monoclonal [AFT38] to PTPIA2 / PTPRN
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length Human PTPIA2/ PTPRN protein purified from E. coli
<b>Positive control</b>	Bosc23 cell lysate transfected with Myc/His/PTPIA2 / PTPRN.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: 0.03% Sodium Azide Constituents: 50% Glycerol, 0.01% BSA, HEPES, 0.15M Sodium chloride
<b>Purity</b>	Ammonium Sulphate Precipitation
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	AFT38
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab75525** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 106 kDa.
ELISA		Use at an assay dependent dilution.

### Target

<b>Function</b>	Implicated in neuroendocrine secretory processes. May be involved in processes specific for neurosecretory granules, such as their biogenesis, trafficking or regulated exocytosis or may have a general role in neuroendocrine functions. Seems to lack intrinsic enzyme activity. May play a role in the regulation of secretory granules via its interaction with SNTB2.
<b>Tissue specificity</b>	Expression is restricted to neuroendocrine cells. Found in pancreas, brain and pituitary.
<b>Sequence similarities</b>	Belongs to the protein-tyrosine phosphatase family. Receptor class 8 subfamily. Contains 1 tyrosine-protein phosphatase domain.
<b>Post-translational modifications</b>	Appears to undergo multiple proteolytic cleavage at consecutive basic residues.
<b>Cellular localization</b>	Membrane. Neuroendocrine secretory granules.

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