

Datasheet for ABIN1098139
anti-PPY antibody (AA 1-95)[Go to Product page](#)

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Overview

Quantity:	0.1 mg
Target:	PPY
Binding Specificity:	AA 1-95
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human PPY (AA: 1-95) expressed in E. coli.
Clone:	2G5D12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PPY
Alternative Name:	PPY (PPY Products)
Background:	Description: This gene belongs to the NPY family and it encodes a protein that is synthesized as a 95 aa polypeptide precursor in the pancreatic islets of Langerhans. It is cleaved into two peptide products, the active hormone of 36 aa and an icosapeptide of unknown function. The hormone acts as a regulator of pancreatic and gastrointestinal functions and may be important

Target Details

in the regulation of food intake. Plasma level of this hormone has been shown to be reduced in conditions associated with increased food intake and elevated in anorexia nervosa. In addition, infusion of this hormone in obese rodents has shown to decrease weight gain. , , , ,
Aliases: PNP

Molecular Weight: 10.4 kDa

Gene ID: 5539

HGNC: 5539

Pathways: [Feeding Behaviour](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

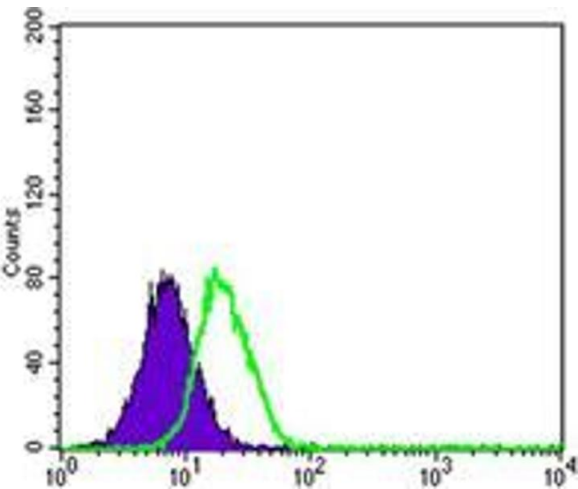
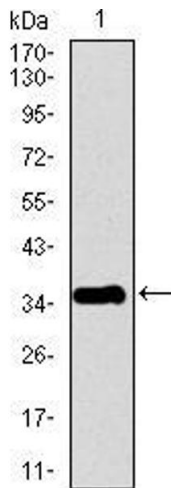
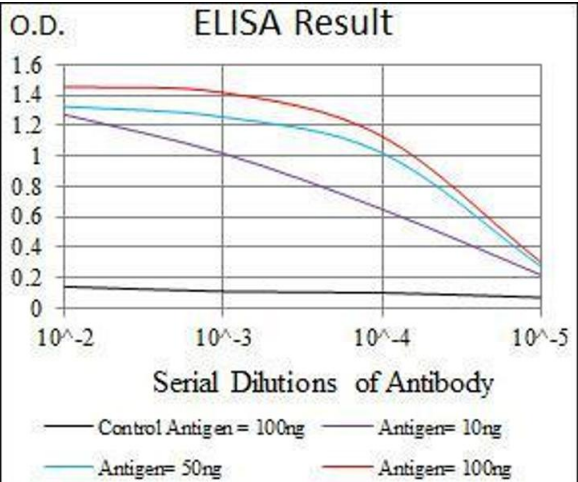
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Xu, Deng, Mao, Zhang, Wang, Wang, Mu, Deng, Ma: "The interaction of the second Kunitz-type domain (KD2) of TFPI-2 with a novel interaction partner, prosaposin, mediates the inhibition of the invasion and migration of human fibrosarcoma cells." in: **The Biochemical journal**, Vol. 441, Issue 2, pp. 665-74, (2011) ([PubMed](#)).

Hu, Delorme, Liu, Liu, Velasco-Gonzalez, Garai, Pullikuth, Koochekpour: "Prosaposin down-modulation decreases metastatic prostate cancer cell adhesion, migration, and invasion." in: **Molecular cancer**, Vol. 9, pp. 30, (2010) ([PubMed](#)).



ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Western Blotting

Image 2. Western blot analysis using PPY mAb against human PPY recombinant protein. (Expected MW is 35.9 kDa)

Flow Cytometry

Image 3. Flow cytometric analysis of HepG2 cells using PPY mouse mAb (green) and negative control (purple).