

Mouse Monoclonal Antibody to PPY

Catalogue Number sAP-0780

Target Molecule **Name:** PPY

Aliases: PNP

MW: 10.4kDa

Entrez Gene ID: 5539

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 icosaapeptide of unknown function. The hormone acts as a regulator of pancreatic and gastrointestinal functions and may be important 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. ; ; ;

Immunogen Purified recombinant fragment of human PPY (AA: 1-95) expressed in E. Coli.

Reactive Species Human;

Clone MM2G5D12;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1.Am J Clin Nutr. 2011 Oct;94(4):967-72. ; 2.Pharm Res. 2012 Jun;29(6):1698-711. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**