

## Datasheet for ABIN105318 **anti-PPY antibody**



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### Overview

|             |            |
|-------------|------------|
| Quantity:   | 500 µg     |
| Target:     | PPY        |
| Reactivity: | Pig        |
| Host:       | Dog        |
| Clonality:  | Polyclonal |

### Product Details

|                             |                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                    | Pancreatic Islet Lysate Antibody                                                                                                                                                                                                                      |
| Immunogen:                  | Immunogen: Sonicated crude membrane fraction of porcine pancreatic islets of langerhans cells<br>Immunogen Type: Native Protein                                                                                                                       |
| Isotype:                    | IgG                                                                                                                                                                                                                                                   |
| Cross-Reactivity (Details): | Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Dog Serum.                                                                                                                                                            |
| Characteristics:            | Synonyms: IgG fraction of Anti-pancreatic islet lysate, Dog Anti-Pancreatic lysate (porcine pancreas), Anti-pancreatic lysate produced in dog, dog anti-Pancreatic Islet Lysate Antibody, canine anti-Pancreatic Islet Lysate Antibody                |
| Purification:               | This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. |
| Sterility:                  | Sterile filtered                                                                                                                                                                                                                                      |

## Target Details

|                   |                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PPY                                                                                                                                                                                                                                                                                     |
| Alternative Name: | PPY ( <a href="#">PPY Products</a> )                                                                                                                                                                                                                                                    |
| Background:       | Background: Pancreatic hormone is synthesized in pancreatic islets of Langerhans and acts as a regulator of pancreatic and gastrointestinal functions. It may be used as a marker of the viability of xenotransplanted fetal pancreatic tissue in the immediate post-transplant period. |
| UniProt:          | <a href="#">P01300</a>                                                                                                                                                                                                                                                                  |
| Pathways:         | <a href="#">Feeding Behaviour</a>                                                                                                                                                                                                                                                       |

## Application Details

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Optional[Flow Cytometry Dilution]: This product has been assayed against 1.0 µg of Pancreatic Islet Lysate [Porcine Pancreas] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Dog IgG [H&L] (Goat) code #604-1302 and o-Phenylenediamine (OPD) as a substrate. A working dilution of 1:50 to 1:100 is suggested for this product. This product has been assayed against 1.5 µg of Pancreatic Islet Lysate [Porcine Pancreas] per lane by immunoblot (western) under reducing conditions of SDS-PAGE prior to transfer to nitrocellulose and detection using Peroxidase conjugated Affinity Purified anti-Dog IgG [H&L] (Goat) code #604-1302 and Diaminobenzidine (DAB) as a substrate. A working dilution of 1:50 to 1:200 is suggested for this product. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Handling

|                    |                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                             |
| Buffer:            | Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2<br>Stabilizer: None<br>Preservative: 0.01 % (w/v) 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:   | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after |

## Handling

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standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Expiry Date: 12 months