**Product Datasheet**

**Pancreatic Polypeptide/PP Antibody**  
**NB100-1793**

Unit Size: 0.1 mg  
Store at -20C. Avoid freeze-thaw cycles.

Reviews: 3  Publications: 14

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-1793

Updated 5/6/2020 v.20.1

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**NB100-1793**
Pancreatic Polypeptide/PP Antibody

### Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>Concentration</td>
<td>0.5 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Purity</td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA</td>
</tr>
</tbody>
</table>

### Product Description

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host</td>
<td>Goat</td>
</tr>
<tr>
<td>Gene ID</td>
<td>5539</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>PPY</td>
</tr>
<tr>
<td>Species</td>
<td>Human, Mouse, Monkey</td>
</tr>
<tr>
<td>Reactivity Notes</td>
<td>Predicted cross-reactivity based on sequence identity: Rat, Canine. Monkey reactivity reported from a verified customer review.</td>
</tr>
</tbody>
</table>

### Product Application Details

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Applications</td>
<td>Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Peptide ELISA</td>
</tr>
<tr>
<td>Recommended Dilutions</td>
<td>Immunohistochemistry 5 ug/mL, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/mL, Immunohistochemistry-Frozen, Immunoblotting, Peptide ELISA Detection limit 1:32000</td>
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<tr>
<td>Application Notes</td>
<td>Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 23221614). Use in immunoblotting reported in scientific literature (PMID: 27572106).</td>
</tr>
</tbody>
</table>

### Images

Immunohistochemistry-Paraffin: Pancreatic Polypeptide/PP Antibody [NB100-1793] - Staining of paraffin embedded Human Intestine with antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.
Immunohistochemistry-Frozen: Pancreatic Polypeptide/PP Antibody
[NB100-1793] - Analysis of Pancreatic Polypeptide in mouse adult
pancreas tissue. IHC-Fr image submitted by a verified customer review.

Immunohistochemistry-Paraffin: Pancreatic Polypeptide/PP Antibody
[NB100-1793] - Adult macaque pancrease paraffin sections following
standard protocols. IHC-P image submitted by a verified customer
review.

Immunohistochemistry-Paraffin: Pancreatic Polypeptide/PP Antibody
[NB100-1793] - Staining of paraffin embedded Human Pancreas with
antibody at 3 ug/mL. Microwaved antigen retrieval with Tris/EDTA buffer
pH 9, HRP-staining.

Immunohistochemistry-Paraffin: Pancreatic Polypeptide/PP Antibody
[NB100-1793] - Staining of paraffin embedded Human Pancreas with
antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6,
AP-staining.
<table>
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<tr>
<th>Publication</th>
<th>PubMed ID</th>
<th>IHC/ICC Method</th>
</tr>
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<tbody>
<tr>
<td>Foo KS, Skowronski AA, Baum D et al. Transgenic substitution with Greater Amberjack Seriola dumerili fish insulin 2 in NOD mice reduces beta cell immunogenicity</td>
<td>PMID: 30899071</td>
<td>IHC-P, Mouse</td>
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<tr>
<td>Hara A, Nakagawa Y, Nakao K et al. Development of monoclonal mouse antibodies that specifically recognize pancreatic polypeptide</td>
<td>PMID: 30842364</td>
<td>ICC/IF, Human</td>
</tr>
<tr>
<td>Hull RL, Gibson RL, McNamara S et al. Islet Interleukin-1beta Immunoreactivity Is an Early Feature of Cystic Fibrosis That May Contribute to beta-cell Failure. Diabetes Care 2018 Apr</td>
<td>PMID: 29437698</td>
<td>(Human)</td>
</tr>
<tr>
<td>Lu TT, Heyne S, Dror E et al. The Polycomb-Dependent Epigencode Controls b Cell Dysfunction, Dedifferentiation, and Diabetes Cell Metab. Jun 5 2018</td>
<td>PMID: 29754954</td>
<td>(IHC, Mouse)</td>
</tr>
<tr>
<td>Qian J, Block GD, Colwell CS, Matveyenko AV. Consequences of exposure to light at night on the pancreatic islet circadian clock and function in rats. Diabetes 2013 Jun 17</td>
<td>PMID: 23775768</td>
<td></td>
</tr>
<tr>
<td>Freeby M, Ichise M, Harris PE. Vesicular monoamine transporter, type 2 (vmat2) expression as it compares to insulin and pancreatic polypeptide in the head, body and tail of the human pancreas Islets 2012 Nov 1</td>
<td>PMID: 23221614</td>
<td>(IHC, ICC/IF, Human)</td>
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</table>

More publications at [http://www.novusbio.com/NB100-1793](http://www.novusbio.com/NB100-1793)
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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