

# Product Datasheet

## HPI2 Antibody (HIC1-2B4.2B)

### NBP1-18946

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP1-18946**

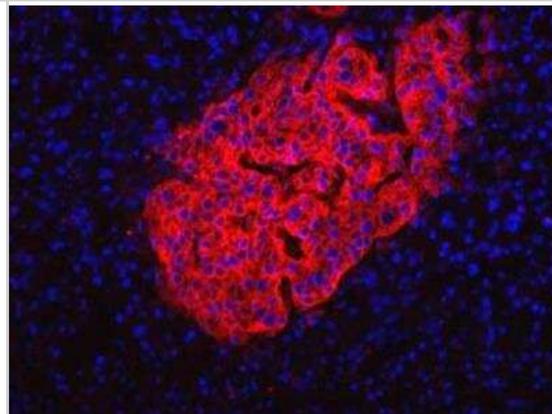
HPi2 Antibody (HIC1-2B4.2B)

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	HIC1-2B4.2B
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 26515645).
<b>Marker</b>	Endocrine pan-islet cell Marker
<b>Specificity/Sensitivity</b>	Specific for multiple endocrine cell types.
<b>Immunogen</b>	Human pancreatic enriched islet cells containing low levels of exocrine and ductal cells.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Flow Cytometry 1:50-1:100, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:100
<b>Application Notes</b>	This HPi2 (HIC1-2B4.2B) antibody is useful for Immunohistochemistry on acetone fixed frozen sections, Immunocytochemistry/Immunofluorescence and Flow cytometry.

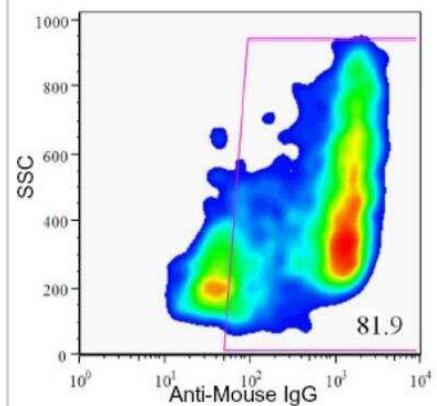


## Images

Immunocytochemistry/Immunofluorescence: HPi2 Antibody (HIC1-2B4.2B) [NBP1-18946] - Immunofluorescence on frozen section of human pancreas.



Flow Cytometry: HPi2 Antibody (HIC1-2B4.2B) [NBP1-18946] - Analysis of enzyme dispersed human pancreas cells.



## Publications

Dong G, Adak S, Spyropoulos G et al. Palmitoylation couples insulin hypersecretion with  $\beta$  cell failure in diabetes Cell metabolism 2023-01-06 [PMID: 36634673] (FLOW, Human)

Ma H, Jeppesen JF, Jaenisch R. Et al. Human T Cells Expressing a CD19 CAR-T Receptor Provide Insights into Mechanisms of Human CD19-Positive  $\beta$  Cell Destruction Cell Rep Med 2020-11-18 [PMID: 33205073]

Details:

Citation using the DyLight 488 version of this antibody.

Casteels T, Bajew S, ReiniS J et al. SMNDC1 links chromatin remodeling and splicing to regulate pancreatic hormone expression Cell reports 2022-08-30 [PMID: 36044849] (FLOW)

Details:

Dilutions: 1:100

Marquez-Curtis LA, Dai XQ, Hang Y et al. Cryopreservation and post-thaw characterization of dissociated human islet cells PloS one 2022-01-26 [PMID: 35081145] (FLOW, Human)

Camunas-Soler, J, Dai, X Q Et al. Patch-Seq Links Single-Cell Transcriptomes to Human Islet Dysfunction in Diabetes. Cell Metab 2020-05-05 [PMID: 32302527] (WB, IP, Mouse)

Arda H, Tsai J, Rosli Y et al A Chromatin Basis for Cell Lineage and Disease Risk in the Human Pancreas Cell Syst 2018-08-27 [PMID: 30145115] (FLOW, Human)

Details:

Citation using the DyLight 488 version of this antibody.

Ghazvini Zadeh EH, Huang Z, Xia J et al. ZIGIR, a Granule-Specific Zn<sup>2+</sup> Indicator, Reveals Human Islet alpha Cell Heterogeneity Cell Rep 2020-07-14 [PMID: 32668245] (FLOW, Human)

Alvarez-Do JR, Donaghey J, Rasouli N et al. Circadian Entrainment Triggers Maturation of Human InVitro Islets Cell Stem Cell. [PMID: 31839570] (FLOW, Human)

Enge M, Arda HE, Mignardi M et al. Single-Cell Analysis of Human Pancreas Reveals Transcriptional Signatures of Aging and Somatic Mutation Patterns. Autophagy. 2017-05-04 [PMID: 28965763] (FLOW, Human)

Details:

Citation used the DyLight 650 format of this antibody.

Jakel C, Bergmann F, Toth R et al. Genome-wide genetic and epigenetic analyses of pancreatic acinar cell carcinomas reveal aberrations in genome stability Nat Commun. 2017-11-06 [PMID: 29109526] (Human)

Arda HE, Li L, Tsai J, et al. Age-Dependent Pancreatic Gene Regulation Reveals Mechanisms Governing Human beta Cell Function. Cell Press. 2016-05-10 [PMID: 27133132] (FLOW, Human)

Korytnikov R, Nostro MC. Generation of polyhormonal and multipotent pancreatic progenitor lineages from human pluripotent stem cells. Methods. 2015-10-27 [PMID: 26515645]

More publications at <http://www.novusbio.com/NBP1-18946>



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### **Products Related to NBP1-18946**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-18946C	HPi2 Antibody (HIC1-2B4.2B) [DyLight 650]

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### **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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