

Product Datasheet

HPI2 Antibody (HIC1-2B4.2B) - BSA Free NBP1-18946

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NBP1-18946

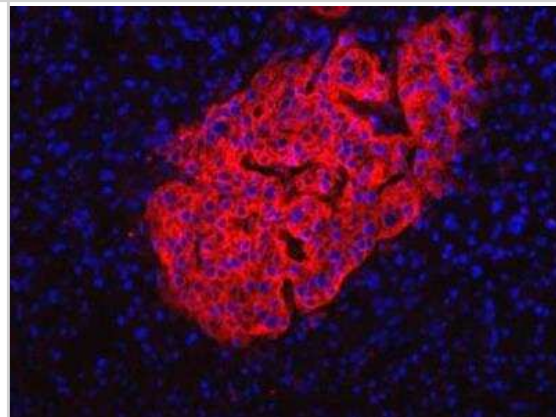
HPi2 Antibody (HIC1-2B4.2B) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	HIC1-2B4.2B
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Product Description	
Description	Novus Biologicals Mouse HPi2 Antibody (HIC1-2B4.2B) - BSA Free (NBP1-18946) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-HPi2 Antibody: Cited in 14 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26515645).
Marker	Endocrine pan-islet cell Marker
Specificity/Sensitivity	Specific for multiple endocrine cell types.
Immunogen	Human pancreatic enriched islet cells containing low levels of exocrine and ductal cells.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry 1:50-1:100, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:100
Application Notes	This HPi2 (HIC1-2B4.2B) antibody is useful for Immunohistochemistry on acetone fixed frozen sections, Immunocytochemistry/Immunofluorescence and Flow cytometry.

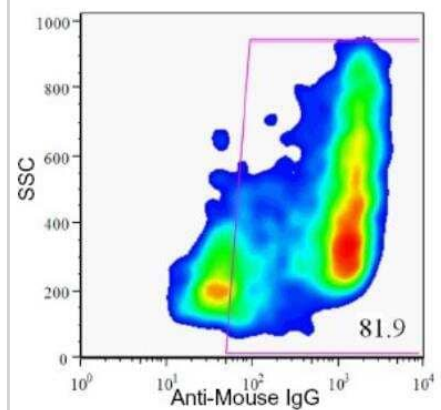


Images

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 β 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 β 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 Zn²⁺ Indicator, Reveals Human Islet α 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 β 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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-18946C	HPi2 Antibody (HIC1-2B4.2B) [DyLight 650]

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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