HNF1A (Pancreatic Tumor Suppressor) Antibody

Mouse Monoclonal Antibody [Clone HNF1A/2087]

Catalog No	Format	Size
6927-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6927-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6927-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

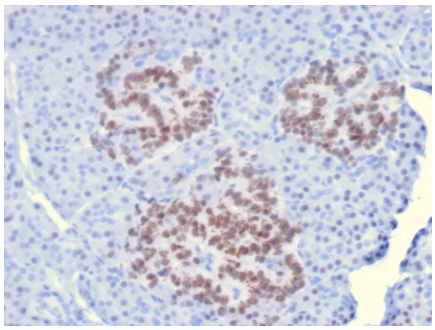
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

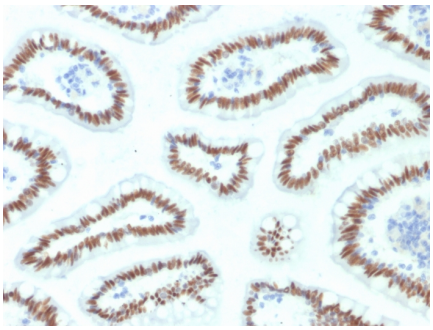
Clone	HNF1A/2087
Gene Name	HNF1A
Immunogen	Recombinant fragment (around aa 214-339) of human HNF1A protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	79kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Jurkat cells. Small Intestine or Pancreas.

**Optimal dilution for a specific application should be determined.*

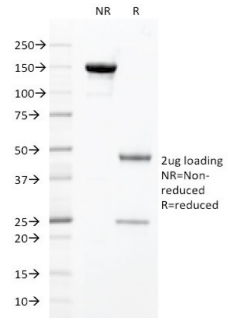
Product Images for HNF1A (Pancreatic Tumor Suppressor) Antibody



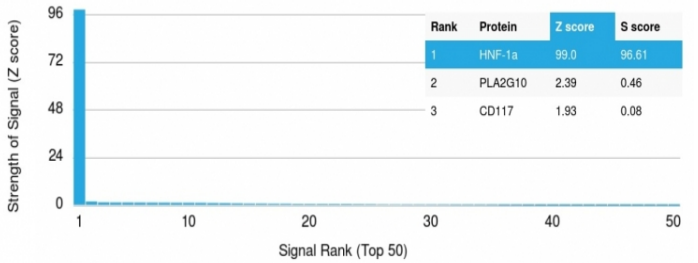
Formalin-fixed, paraffin-embedded human Pancreas stained with HNF1AMouse Monoclonal Antibody (HNF1A/2087).



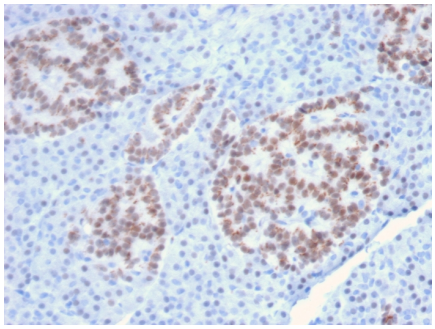
Formalin-fixed, paraffin-embedded human Small Intestine stained with HNF1A Mouse Monoclonal Antibody (HNF1A/2087).



SDS-PAGE Analysis Purified HNF1A Mouse Monoclonal Antibody (HNF1A/2087). Confirmation of Integrity and Purity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing HNF1A Mouse Monoclonal Antibody (HNF1A/2087). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Pancreas stained with HNF1A Mouse Monoclonal Antibody (HNF1A/2087).

Specificity & Comments

HNF1A belongs to the homeobox protein family and is an essential transcription factor for many hepatic genes involved in detoxification, homeostasis and metabolisms of glucose, lipid, steroid and amino acid. In addition, HNF1A is an important component of the transcriptional networks governing embryonic pancreas development and differentiation. as well as maintaining the growth and function of islet cells in adult. HNF1A (Hepatocyte nuclear factor 1 alpha) is a transcription factor that is known to regulate pancreatic differentiation and maintain homeostasis of endocrine pancreas. Recently, genome-wide association studies have implicatedHNF1Aas a susceptibility gene for pancreatic cancer.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Autophagy, Cancer, Cardiovascular, Developmental Biology, Nuclear Marker, Pancreatic Cancer

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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