Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2023-6-21

Islet-1
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50303
Clone# BP6280

Predicted Molecular Wt: 39kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P61371

Background:

Islet-1,a human insulin gene enhancer-binding protein, is a transcription factor involved in the differentiation of the neuroendocrine pancreatic cells. Islet-1 plays an important role in the embryogenesis and differentiation of the insulin producing pancreatic beta cells within the islets of Langerhans. Neuroendocrine tumors can arise from a variety of primary sites, most commonly in the bronchopulmonary system, gastrointestinal (GI) tract, and pancreas.Neuroendocrine tumors of the GI tract and pancreas tend to be slow growing and indolent, and may metastasize to the liver before it is detected.Islet-1 exhibits strong nuclear staining in the islets of normal pancreas and tumor cells of the pancreatic neuroendocrine tumor. Islet-1 has been shown to be a reliable marker for the detection of primary and metastatic pancreatic neuroendocrine neoplasms.

Subcellular location:

Nucleus

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

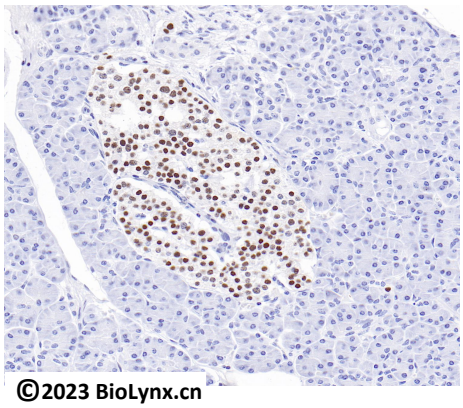
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Schmitt AM, , et al. Am J Surg Pathol. 2008 Mar;32(3):420-5.
2. Ediger BN, et al. Diabetes. 2014 Dec;63(12):4206-17.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of of human pancreas tissue sections labeling Islet-1 with BP6280.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.