Anti-INSM1 Antibody [PSH27-54]

HA724703

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	IHC-P
Molecular Wt:	Predicted band size: 53 kDa
Clone number:	PSH27-54

Description: Insulinoma-associated protein 1 is a protein that in humans is encoded by the INSM1 gene. Insulinoma-associated 1 (INSM1) gene is intronless and encodes a protein containing both a zinc finger DNA-binding domain and a putative prohormone domain. This gene is a sensitive marker for neuroendocrine differentiation of human lung tumors.

Immunogen: Recombinant protein within human INSM1 aa 51-250.

Positive control: Human Merkel cell carcinoma, Human Small cell lung cancer, Human Pancreas, Human Appendix.

Subcellular location: Nucleus.

Database links: SwissProt: Q01101 Human

Recommended Dilutions:

IHC-P	1:100

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). Store at -20℃ long term.

Purity: Protein A affinity purified.

Images

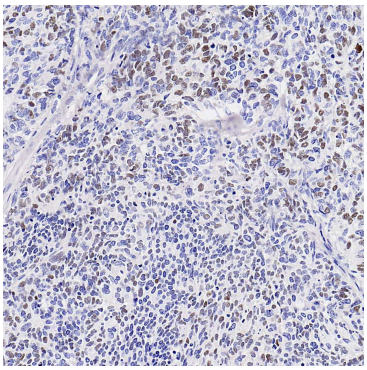


Fig1: Application: Immunohistochemistry (IHC-P)

Species: Human
Tissue: Merkel cell carcinoma
Sample: Paraffin-embedded section

Antigen retrieval: Heat-mediated, Tris-EDTA buffer (pH 9.0), 48 minutes at 95°C.

Wash buffer: 1× TBST
Endogenous peroxidase blocking: 3% H_2O_2, 10 minutes at room temperature.
Blocking: 1% BSA + 10% normal goat serum, 10 minutes at room temperature.
Primary antibody: HA724703, 1/100, 1 hour at room temperature.
Secondary antibody: HA1119, 20 minutes at room temperature.

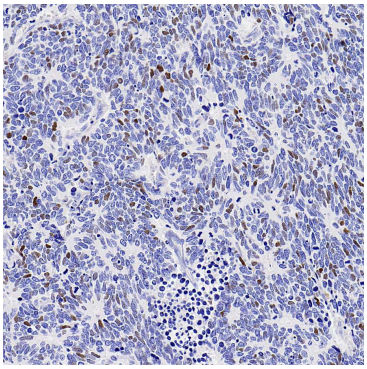


Fig2: Application: Immunohistochemistry (IHC-P)

Species: Human
Tissue: Small cell lung cancer
Sample: Paraffin-embedded section

Antigen retrieval: Heat-mediated, Tris-EDTA buffer (pH 9.0), 48 minutes at 95°C.

Wash buffer: 1× TBST
Endogenous peroxidase blocking: 3% H_2O_2, 10 minutes at room temperature.
Blocking: 1% BSA + 10% normal goat serum, 10 minutes at room temperature.
Primary antibody: HA724703, 1/100, 1 hour at room temperature.
Secondary antibody: HA1119, 20 minutes at room temperature.

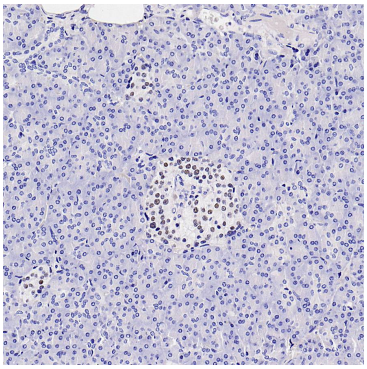


Fig3: Application: Immunohistochemistry (IHC-P)

Species: Human
Tissue: Pancreas
Sample: Paraffin-embedded section

Antigen retrieval: Heat-mediated, Tris-EDTA buffer (pH 9.0), 48 minutes at 95°C.

Wash buffer: 1× TBST
Endogenous peroxidase blocking: 3% H_2O_2, 10 minutes at room temperature.
Blocking: 1% BSA + 10% normal goat serum, 10 minutes at room temperature.
Primary antibody: HA724703, 1/100, 1 hour at room temperature.
Secondary antibody: HA1119, 20 minutes at room temperature.

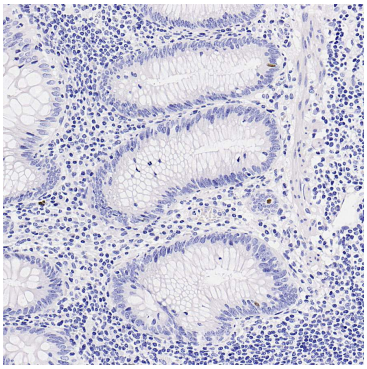


Fig4: Application: Immunohistochemistry (IHC-P)

Species: Human
Tissue: Appendix
Sample: Paraffin-embedded section

Antigen retrieval: Heat-mediated, Tris-EDTA buffer (pH 9.0), 48 minutes at 95°C.

Wash buffer: 1× TBST
Endogenous peroxidase blocking: 3% H_2O_2, 10 minutes at room temperature.
Blocking: 1% BSA + 10% normal goat serum, 10 minutes at room temperature.
Primary antibody: HA724703, 1/100, 1 hour at room temperature.
Secondary antibody: HA1119, 20 minutes at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Maleki Z et al. INSM1, a Novel Biomarker for Detection of Neuroendocrine Neoplasms: Cytopathologists' View. Diagnostics (Basel). 2021 Nov
2. Lan MS et al. Small Molecules Targeting INSM1 for the Treatment of High-Risk Neuroblastoma. Biology (Basel). 2023 Aug