ARG67038
anti-INSM 1 antibody [SQab30324]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant rabbit Monoclonal antibody [SQab30324] recognizes INSM 1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab30324
Isotype	IgG
Target Name	INSM 1
Species	Human
Immunogen	Synthetic peptide of Human INSM 1.
Conjugation	Un-conjugated
Alternate Names	INSM1, INSM Transcriptional Repressor 1, IA1, IA-1, Insulinoma-Associated Protein 1, Zinc Finger Protein IA-1, Insulinoma-Associated 1, Insulinoma Associated 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100

Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human small cell neuroendocrine carcinoma

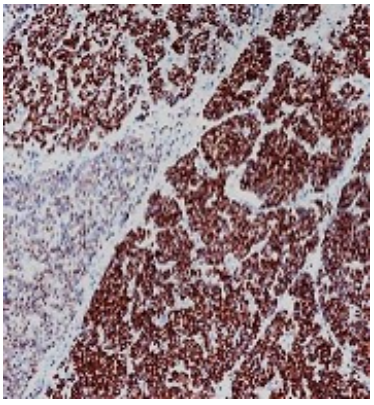
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05%BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	INSM1
Gene Full Name	INSM Transcriptional Repressor 1
Background	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. [provided by RefSeq, Jul 2008]
Function	Sequence-specific DNA-binding transcriptional regulator that plays a key role in neurogenesis and neuroendocrine cell differentiation during embryonic and/or fetal development. Binds to the consensus sequence 5'-[TG][TC][TC][TT][GA]GGG[CG]A-3' in target promoters. Acts as a transcriptional repressor of NEUROD1 and INS expression via its interaction with cyclin CCND1 in a cell cycle-independent manner. Negatively regulates skeletal muscle-specific gene expression in endocrine cells of the pituitary by inhibiting the Notch signaling pathway. Represses target gene transcription by recruiting chromatin-modifying factors, such as HDAC1, HDAC2, HDAC3, KDM1A and RCOR1 histone deacetylases. Binds to its own promoter, suggesting autoregulation as a self-control feedback mechanism. Competes with histone H3 for the same binding site on the histone demethylase complex formed by KDM1A and RCOR1, and thereby inhibits demethylation of histone H3 at 'Lys-4'. [Uniprot]
Calculated Mw	53 kDa
Cellular Localization	Nucleus

Images



ARG67038 anti-INSM-1 antibody [SQab30324] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded small cell neuroendocrine carcinoma stained with ARG67047 anti-Survivin antibody [SQab30320].