INSM1 Antibody / Insulinoma associated protein 1 [clone rINSM1/6287] (V4817)

Catalog No.	Formulation	Size
V4817-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4817-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4817SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rINSM1/6287
Purity	Protein A/G affinity
UniProt	Q01101
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This INSM1 antibody is available for research use only.

Description

Insulinoma-associated protein 1 (INSM1) is a developmentally regulated zinc-finger transcription factor. It localizes to the

nucleus and is expressed in embryonic issues undergoing neuroendocrine differentiation. INSM1 is not expressed in normal adult tissues but can be found highly expressed in neuroendocrine tumors. INSM1 is positive in 95% of lung small cell carcinoma and 91% of lung large cell neuroendocrine carcinoma, compared with 75% and 78% with the combined panel of traditional neuroendocrine markers (synaptophysin, chromogranin, and CD56). INSM1 stains 100% of the atypical carcinoids, typical carcinoids and paragangliomas, but only 3% of adenocarcinomas and 4% of squamous cell carcinomas. Therefore, INSM1 is sensitive and specific to be a single first-line pan-neuroendocrine marker.

Application Notes

Optimal dilution of the INSM1 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 81-125) from the human protein was used as the immunogen for the INSM1 antibody.

Storage

Aliquot the INSM1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.