

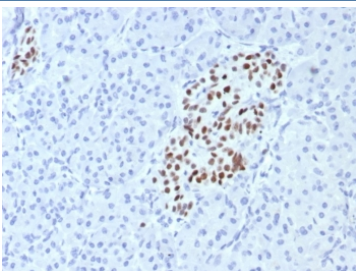
## IA1 Antibody / Insulinoma associated protein 1 / INSM1 [clone INSM1/7992R] (V4819)

Catalog No.	Formulation	Size
V4819-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4819-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4819SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	INSM1/7992R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q01101
<b>Localization</b>	Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This IA1 antibody is available for research use only.



IHC staining of FFPE human pancreas tissue with IA1 antibody (clone INSM1/7992R).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

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

nucleus and is expressed in embryonic tissues 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 IA1 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-300) from the human protein was used as the immunogen for the IA1 antibody.

## Storage

Aliquot the IA1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.