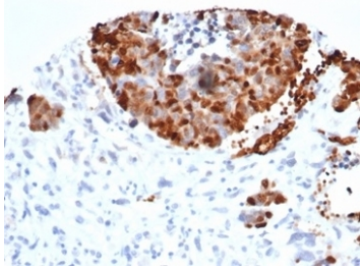
Recombinant INSM1 Antibody / Insulinoma-associated protein 1 [clone INSM1/6286R] (V9370)

Catalog No.	Formulation	Size
V9370-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9370-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9370SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

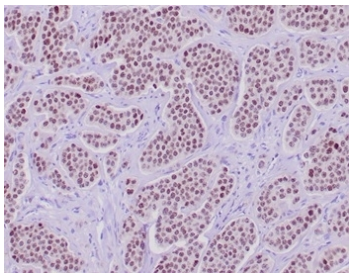
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	INSM1/6286R
Purity	Protein A/G affinity
UniProt	Q01101
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant INSM1 antibody is available for research use only.



IHC staining of FFPE human bladder carcinoma tissue with recombinant INSM1 antibody (clone INSM1/6286R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human neuroendocrine tumor tissue with recombinant INSM1 antibody (clone INSM1/6286R). 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 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 recombinant INSM1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 81-125 was used as the immunogen for the recombinant INSM1 antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com