

INSM1 (ZR395)

Rabbit Monoclonal Antibody

Specificity: Humans
Immunogen: Recombinant fragment (around aa1-300) corresponding to the N-terminus of human INSM1
Ig Class: IgG
Storage: Store at 2-8 °C for up to 2 years for concentrate form and 18 months for predilute form.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Detection methods: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:50-100. Positive Control: Neuroendocrine tumor/pancreas.

Localization: Nucleus. Intended Use: Research Use Only (RUO).

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.

Intended Use: This antibody is intended for research use only (RUO). INSM1(ZR395) monospecific Rabbit monoclonal primary antibody is intended for laboratory use in the detection of INSM1 in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

Supplied As: Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% ProClin.

References:

1. Rosenbaum JN, et al. Am J Clin Pathol. 2015; 144(4):579-91
2. Rooper LM, et al. Am J Surg Pathol. 2017; 41:1561-1569.
3. Rooper LM, et al. Am J Surg Pathol. 2018; 42:665-671.

REF Z2751RL/ Z2751RS/ Z2751RT/ Z2751RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)

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(concentrate)

DIL

(dilution)

S

(supernatant)

S

(predilute)