

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

LSM10 RABBIT PAB

Cat.#: S218799

Product Name: Anti-LSM10 Rabbit Polyclonal Antibody

Synonyms: MST074; MSTP074

UNIPROT ID: Q969L4 (Gene Accession - BC007623)

Background: LSm10 (U7 snRNA-associated Sm-like protein LSm10) is a nuclear protein that belongs to the snRNP (small nuclear ribonucleoproteins) Sm protein family. The survival of motor neurons (SMN) complex mediates the assembly of snRNPs involved in splicing and histone RNA processing. A crucial step in this process is the binding of Sm proteins onto the SMN protein. LSm10 and LSm11, mammalian homologs of the yeast Sm proteins D1 and D2, are important for U7 snRNP function and subcellular localization. U7 snRNP is an RNA molecule involved in the splicing of animal histone pre-mRNAs. Lsm10 and Lsm11 also associate with plCln (Chloride ion current inducer protein), which interacts with Sm proteins to inhibit their assembly on U RNA. LSm10 interactions with U7 snRNA and plCln may provide the means for using modified U7 snRNA derivatives to alter specific pre-mRNA splicing events, potentially leading to advances in antisense gene therapy.

Immunogen: Fusion protein of human LSM10

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-300; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

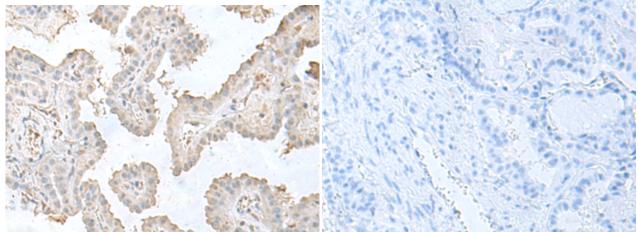
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 218799(LSM10 Antibody) at a dilution of 1/50(Nucleus). In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 218799(Anti-LSM10 Antibody) at dilution 1/50.



Product Description

Pioneering GTPase and Oncogene Product Development since 2010