TGS1 Antibody

PACO43840

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000, IHC:1:20-1:200

Protein Background:

Catalyzes the 2 serial methylation steps for the conversion of the 7-monomethylguanosine (m7G) caps of snRNAs and snoRNAs to a 2,2,7-trimethylguanosine (m(2,2,7)G) cap structure. The enzyme is specific for guanine, and N7 methylation must precede N2 methylation. Hypermethylation of the m7G cap of U snRNAs leads to their concentration in nuclear foci, their colocalization with coilin and the formation of canonical Cajal bodies (CBs). Plays a role in transcriptional regulation.

Gene ID:

TGS1

Uniprot

Q96RS0

Synonyms:

Trimethylguanosine synthase (EC 2.1.1. -) (CLL-associated antigen KW-2) (Cap-specific guanine-N2 methyltransferase) (Hepatocellular carcinoma-associated antigen 137) (Nuclear receptor coactivator 6-interacting protein) (PRIP-interacting protein with methyltransferase motif) (PIMT) (PIPMT), TGS1, HCA137 NCOA6IP PIMT

Immunogen:

Recombinant Human Trimethylguanosine synthase protein (714-853AA).

Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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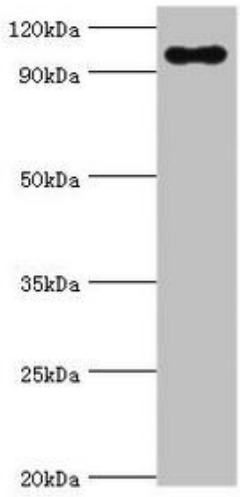
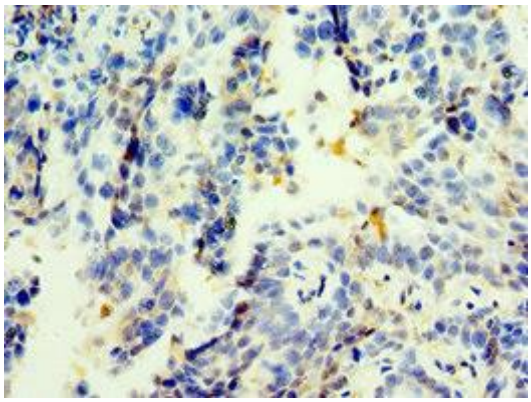
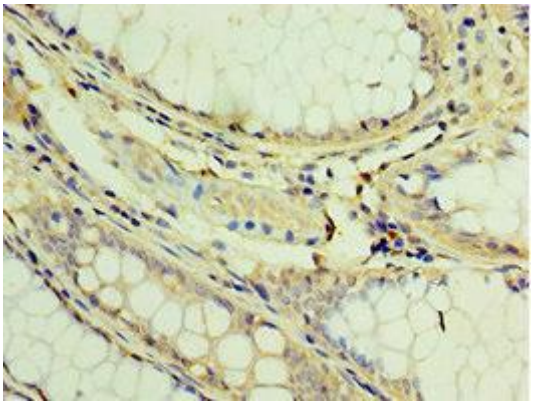
Product Images



Western blot.
All lanes: TGS1 antibody at 10µg/ml + Mouse skeletal muscle tissue. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 97 kDa. Observed band size: 97 kDa.



Immunohistochemistry of paraffin-embedded human lung tissue using PACO43840 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human colon cancer using PACO43840 at dilution of 1:100.

