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Datasheet for ABIN7173394
anti-TGS1 antibody (AA 714-853)

4 Images

Overview

Quantity:	100 µL
Target:	TGS1
Binding Specificity:	AA 714-853
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGS1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Trimethylguanosine synthase protein (714-853AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	TGS1
Alternative Name:	TGS1 (TGS1 Products)
Background:	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

Target Details

(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.

Aliases: Cap specific guanine N2 methyltransferase antibody, Cap-specific guanine-N2 methyltransferase antibody, CLL associated antigen KW 2 antibody, CLL-associated antigen KW-2 antibody, DKFZp762A163 antibody, FLJ22995 antibody, HCA137 antibody, Hepatocellular carcinoma associated antigen 137 antibody, Hepatocellular carcinoma-associated antigen 137 antibody, NCOA6IP antibody, Nuclear receptor coactivator 6 interacting protein antibody, Nuclear receptor coactivator 6-interacting protein antibody, PIMT antibody, PIPMT antibody, PRIP interacting protein PIPMT antibody, PRIP interacting protein with methyltransferase domain antibody, PRIP interacting protein with methyltransferase motif antibody, PRIP-interacting protein with methyltransferase motif antibody, SEREX defined antibody, TGS 1 antibody, Tgs1 antibody, TGS1_HUMAN antibody, Trimethylguanosine synthase antibody, Trimethylguanosine synthase homolog (*S. cerevisiae*) antibody, Trimethylguanosine synthase homolog antibody

UniProt: [Q96RS0](#)

Pathways: [Mitotic G1-G1/S Phases](#), [Regulation of Lipid Metabolism by PPARAlpha](#), [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

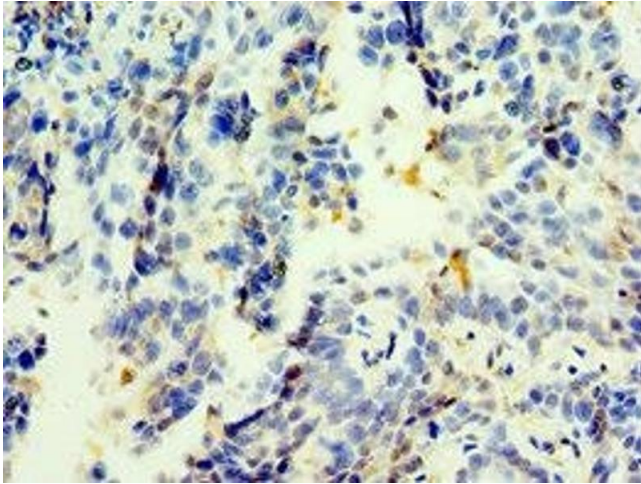
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

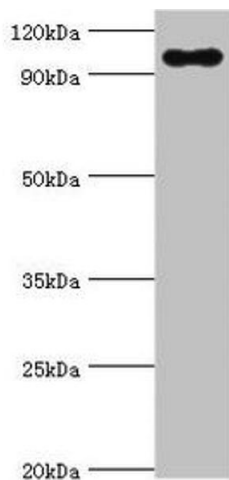
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



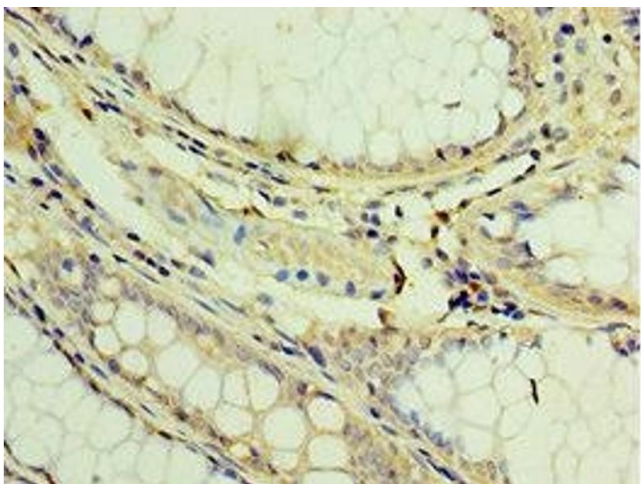
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7173394 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: TGS1 antibody at 10 µg/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

Image 3. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7173394 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7173394.