

Datasheet for ABIN7173390
anti-TGS1 antibody (AA 713-853)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	TGS1
Binding Specificity:	AA 713-853
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 (713-853AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G 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:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

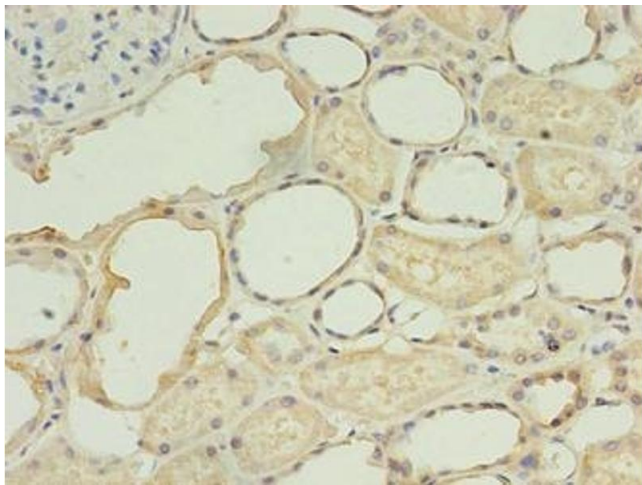
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

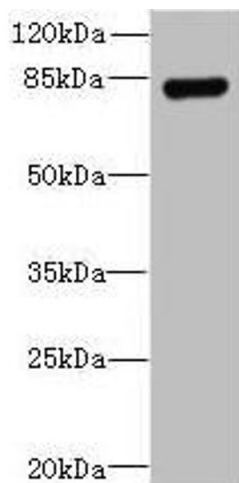
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7173390 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: TGS1 antibody at 8 µg/mL + Mouse heart tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 97 kDa Observed band size: 85 kDa