

Datasheet for ABIN7173930
anti-TUSC3 antibody (AA 42-196)



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3 Images

Overview

Quantity:	100 µg
Target:	TUSC3
Binding Specificity:	AA 42-196
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUSC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Tumor suppressor candidate 3 protein (42-196AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	TUSC3
Alternative Name:	TUSC3 (TUSC3 Products)
Background:	Background: Acts as accessory component of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked

Target Details

oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Involved in N-glycosylation of STT3B-dependent substrates. Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues, in this function seems to act redundantly with MAGT1. In its oxidized form proposed to form transient mixed disulfides with a glycoprotein substrate to facilitate access of STT3B to the unmodified acceptor site. Has also oxidoreductase-independent functions in the STT3B-containing OST complex possibly involving substrate recognition.

Aliases: TUSC3 antibody, N33Tumor suppressor candidate 3 antibody, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit TUSC3 antibody, Oligosaccharyl transferase subunit TUSC3 antibody, Magnesium uptake/transporter TUSC3 antibody, Protein N33 antibody

UniProt: [Q13454](#)

Pathways: [Cell RedoxHomeostasis](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

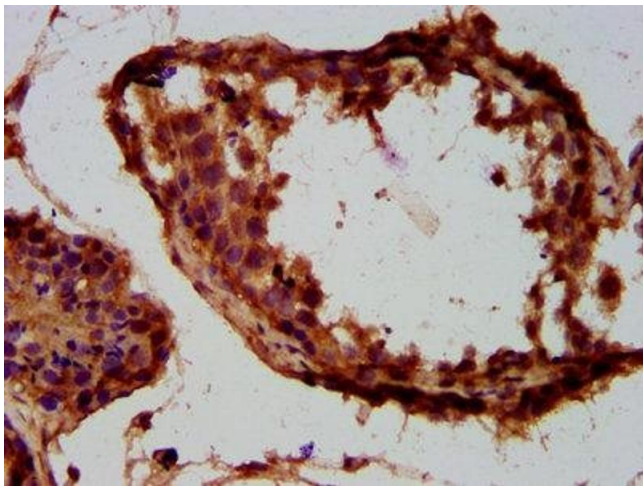
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

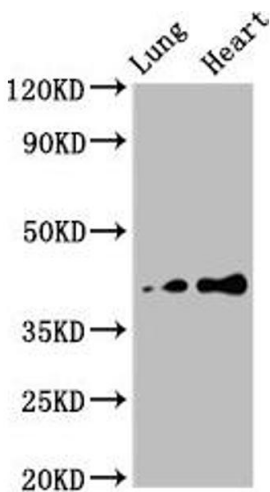
Storage: -20 °C,-80 °C

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



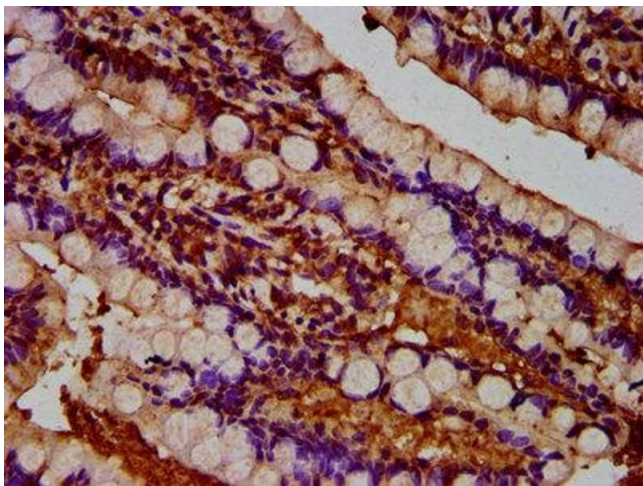
Immunohistochemistry

Image 1. IHC image of ABIN7173930 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat lung tissue, Rat heart tissue All lanes: TUSC3 antibody at 4.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 40 kDa Observed band size: 40 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7173930 diluted at 1:300 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.