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# Datasheet for ABIN7297336 anti-TUSC3 antibody (Center)

3 Images



### Overview

Quantity:	100 µL
Target:	TUSC3
Binding Specificity:	Center
Reactivity:	Human, Monkey, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUSC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunochromatography (IC)

# Product Details

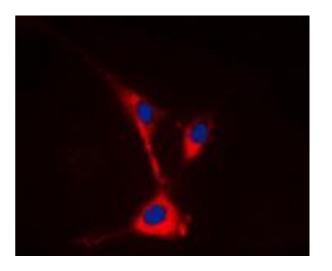
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TUSC3.
Specificity:	Recognizes endogenous levels of TUSC3 protein.
Characteristics:	Rabbit polyclonal antibody to TUSC3
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	

Target:	TUSC3
Alternative Name:	TUSC3 (TUSC3 Products)

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Target Details	
Background:	N33, Tumor suppressor candidate 3, Magnesium uptake/transporter TUSC3, Protein N33
Gene ID:	7991
UniProt:	Q13454
Pathways:	Cell RedoxHomeostasis
Application Details	
Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
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
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

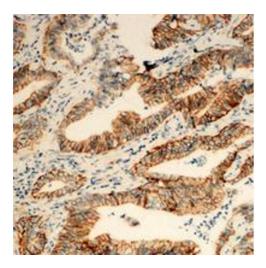
## Images

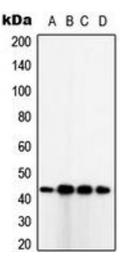


#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of TUSC3 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594conjugated secondary antibody (red) in PBS at room

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temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of TUSC3 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### Western Blotting

**Image 3.** Western blot analysis of TUSC3 expression in SKBR3 (A), HeLa (B), HepG2 (C), MDAMB231 (D) whole cell lysates.

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