

Rabbit TUSC3 Polyclonal Antibody | anti-TUSC3 antibody

TUSC3 Antibody

CATALOG # AAA321125	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

TUSC3; Polyclonal Antibody; TUSC3 Antibody; D8S1992; MGC13453; N33; OST3A; Protein N33; Putative prostate cancer tumor suppressor; Tumor suppressor candidate 3; TUSC 3; anti-TUSC3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TUSC3 antibody detects endogenous levels of TUSC3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	348
Applicable Applications for anti-TUSC3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TUSC3
Subcellular Location	Endoplasmic Reticulum Membrane; Multipass Membrane Protein.
Tissue Specificity	Expressed in most non-lymphoid cells and tissues examined, including prostate, lung, liver, colon, heart, kidney and pancreas.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321125 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on COLO205 cell lysate using TUSC3 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TUSC3 antibody	<p>Description: This gene is a candidate tumor suppressor gene. It is located within a homozygously deleted region of a metastatic prostate cancer. The gene is expressed in most nonlymphoid human tissues including prostate, lung, liver, and colon. Expression was also detected in many epithelial tumor cell lines.</p> <p>Function: Acts as accessory component of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked 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.</p> <p>Subunit Structure: Accessory component of the STT3B-containing form of the oligosaccharyltransferase (OST) complex. OST exists in two different complex forms which contain common core subunits RPN1, RPN2, OST48, OST4, DAD1 and TMEM258, either STT3A or STT3B as catalytic subunits, and form-specific accessory subunits. OST can form stable complexes with the Sec61 complex or with both the Sec61 and TRAP complexes. The association of TUSC3 or MAGT1 with the STT3B-containing complex seems to be mutually exclusvice.</p> <p>Similarity: Belongs to the OST3/OST6 family.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30410788
NCBI GeneID	7991
NCBI Accession #	NP_006756.2
NCBI GenBank Nucleotide #	NM_006765.3
UniProt Accession #	Q13454; Q14911; Q14912; Q96FW0; A8MSM0; D3DSP2
Molecular Weight	Observed: 39 kDa Predicted: 40 kDa
NCBI Official Full Name	tumor suppressor candidate 3 isoform a
NCBI Official Synonym Full Names	tumor suppressor candidate 3
NCBI Official Symbol	TUSC3
NCBI Official Synonym Symbols	M33; N33; MRT7; MRT22; MagT2; OST3A; D8S1992
NCBI Protein Information	tumor suppressor candidate 3
UniProt Protein Name	Tumor suppressor candidate 3
UniProt Gene Name	TUSC3
UniProt Synonym Gene Names	N33

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tusc3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321125>