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Anti-TUSC3 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17338

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	Q13454
Predicted	Human, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39676
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	7991
Alias Symbol	TUSC3
Other Names	TUSC3, D8S1992, M33, MRT7, N33, OST3A, Tumor suppressor candidate 3, Protein N33, MRT22
Target/Specificity	Recognizes endogenous levels of TUSC3 protein.
Reconstitution & Storage	PBS, pH 7.3, 0.01% sodium azide, 30% glycerol. Store at -20°C. Aliquot to avoid freeze/thaw cycles.
Precautions	Anti-TUSC3 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TUSC3
Synonyms	N33
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. Also has oxidoreductase-independent functions in the STT3B-containing OST complex possibly involving substrate recognition. Could indirectly play a role in Mg(2+)

transport (PubMed:19717468).

Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Expressed in most non-lymphoid cells and tissues examined, including prostate, lung, liver, colon, heart, kidney and pancreas.