

TSGA10 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19598a

Product Information

Application	WB, E
Primary Accession	Q9BZW7
Other Accession	NP_079520.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40613
Calculated MW	81421
Antigen Region	37-63

Additional Information

Gene ID	80705
Other Names	Testis-specific gene 10 protein, Testis development protein NYD-SP7, TSGA10, CEP4L
Target/Specificity	This TSGA10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-63 amino acids from the N-terminal region of human TSGA10.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TSGA10 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TSGA10
Synonyms	CEP4L
Function	Plays a role in spermatogenesis (PubMed: 28905369). When overexpressed,

prevents nuclear localization of HIF1A (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9Z220}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=In mature spermatozoa, localizes to the centriole and midpiece (PubMed:28905369). The 27-kDa peptide associates with the fibrous sheath in mature spermatozoa and localizes to the principal piece of sperm tail, while the 55-kDa peptide localizes to the midpiece (By similarity). Detected in the cytoplasm of almost all spermatogonial cells within the seminiferous tubules (By similarity). {ECO:0000250|UniProtKB:Q9Z220, ECO:0000269|PubMed:28905369}

Tissue Location

Expressed in the testis, in spermatozoa (at protein level) (PubMed:11179690, PubMed:28905369). Expressed in actively dividing fetal tissues, including sternum, intestine, limb, kidney and stomach (PubMed:14585816).

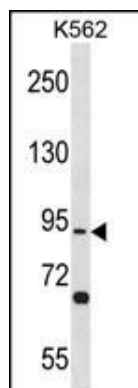
Background

TSGA10 may play a role in the sperm tail fibrous sheath, a major sperm tail structure (By similarity).

References

Roghanian, A., et al. Cell. Immunol. 265(2):120-126(2010)
Reimand, K., et al. Int. Immunol. 20(1):39-44(2008)
Mobasheri, M.B., et al. Leuk. Res. 30(7):883-889(2006)
Tanaka, R., et al. Microbiol. Immunol. 48(4):339-345(2004)
Modarressi, M.H., et al. Gene 262 (1-2), 249-255 (2001) :

Images



TSGA10 Antibody (N-term) (Cat. #AP19598a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the TSGA10 antibody detected the TSGA10 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.