

**Goat Anti-TSGA2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2120a****Specification**

---

**Goat Anti-TSGA2 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q8WYR4</a>
Other Accession	<a href="#">NP_543136</a> , <a href="#">89765</a>
Reactivity	Mouse
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	35124

**Goat Anti-TSGA2 Antibody - Additional Information****Gene ID** 89765**Other Names**

Radial spoke head 1 homolog, Cancer/testis antigen 79, CT79, Male meiotic metaphase chromosome-associated acidic protein, Meichroacidin, Testis-specific gene A2 protein, RSPH1, TSA2, TSGA2

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-TSGA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-TSGA2 Antibody - Protein Information****Name** RSPH1**Synonyms** TSA2, TSGA2

**Function**

Functions as part of axonemal radial spoke complexes that play an important part in the motility of sperm and cilia.

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q8VIG3}. Chromosome {ECO:0000250|UniProtKB:Q8VIG3}. Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q8VIG3}. Note=Cytoplasmic in late spermatocytes, secondary spermatocytes and round spermatids Gathered around metaphase chromosomes during meiotic divisions {ECO:0000250|UniProtKB:Q8VIG3}

**Tissue Location**

Expressed in trachea, lungs, airway brushings, and testes.

**Goat Anti-TSGA2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-TSGA2 Antibody - Images**

AF2120a (0.1 µg/ml) staining of Mouse Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-TSGA2 Antibody - References**

Radial spoke protein 44 (human meichroacidin) is an axonemal alloantigen of sperm and cilia. Shetty J, et al. Gene, 2007 Jul 1. PMID 17451891.  
Cell array-based intracellular localization screening reveals novel functional features of human chromosome 21 proteins. Hu YH, et al. BMC Genomics, 2006 Jun 16. PMID 16780588.  
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.  
Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.  
Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.