

SPATA2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17287c**Specification**

SPATA2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UM82](#)**SPATA2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9825**Other Names**

Spermatogenesis-associated protein 2, Spermatogenesis-associated protein PD1, SPATA2, KIAA0757, PD1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPATA2 Antibody (Center) Blocking Peptide - Protein Information**Name** SPAT2**Function**

Bridging factor that mediates the recruitment of CYLD to the LUBAC complex, thereby regulating TNF-alpha-induced necroptosis (PubMed: [27307491](http://www.uniprot.org/citations/27307491), PubMed: [27458237](http://www.uniprot.org/citations/27458237), PubMed: [27545878](http://www.uniprot.org/citations/27545878), PubMed: [27591049](http://www.uniprot.org/citations/27591049)). Acts as a direct binding intermediate that bridges RNF31/HOIP, the catalytic subunit of the LUBAC complex, and the deubiquitinase (CYLD), thereby recruiting CYLD to the TNF-R1 signaling complex (TNF-RSC) (PubMed: [27458237](http://www.uniprot.org/citations/27458237), PubMed: [27545878](http://www.uniprot.org/citations/27545878), PubMed: [27591049](http://www.uniprot.org/citations/27591049)). Required to activate the 'Met-1'- (linear) and 'Lys-63'-linked deubiquitinase activities of CYLD (PubMed: [27458237](http://www.uniprot.org/citations/27458237), PubMed: [27591049](http://www.uniprot.org/citations/27591049)). Controls the kinase activity of RIPK1 and TNF-alpha-induced necroptosis by promoting 'Met-1'-linked deubiquitination of RIPK1 by CYLD (By similarity).

Cellular Location

Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q66HP6} Note=Detected in the tubular compartment of the testis and, in the cytoplasm of the Sertoli cells.

Tissue Location

Present at high level in Sertoli cells, but not detected in spermatogenic cells (at protein level) (PubMed:10222154, PubMed:11079456). Low expression in spleen, thymus and prostate (PubMed:10222154).

SPATA2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SPATA2 Antibody (Center) Blocking Peptide - Images**SPATA2 Antibody (Center) Blocking Peptide - Background**

SPATA2 may have a role in the regulation of spermatogenesis.

SPATA2 Antibody (Center) Blocking Peptide - References

Matsuzaki, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(17):7875-7880(2010) Sauce, D., et al. J. Virol. 83(18):9068-9078(2009) Capon, F., et al. Hum. Mol. Genet. 17(13):1938-1945(2008) Liliana Slongo, M., et al. Biochim. Biophys. Acta 1625(2):192-196(2003) Deloukas, P., et al. Nature 414(6866):865-871(2001)