

**IMP5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56335****Specification**

---

**IMP5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q8IUH8</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74503

**IMP5 Polyclonal Antibody - Additional Information****Gene ID** 162540**Other Names**

Signal peptide peptidase-like 2C, SPP-like 2C, SPPL2c, 3.4.23.-, Intramembrane protease 5, IMP-5, SPPL2C {ECO:0000303|PubMed:15385547}

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**IMP5 Polyclonal Antibody - Protein Information****Name** SPPL2C ([HGNC:28902](#))**Function**

Sperm-specific intramembrane-cleaving aspartic protease (I- CLiP) that cleaves distinct tail-anchored proteins and SNARE proteins (PubMed:<a href="http://www.uniprot.org/citations/30733281" target="\_blank">30733281</a>). In elongated spermatids, modulates intracellular Ca(2+) homeostasis by controlling PLN abundance through proteolytic cleavage (By similarity). During spermatogenesis, processes SNARE proteins and impacts vesicular trafficking which supports compartmental reorganization in maturing spermatids and may play a role in formation of the acrosome (PubMed:<a href="http://www.uniprot.org/citations/30733281" target="\_blank">30733281</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein; Luminal side

**Tissue Location**

Highly expressed in testis where it is primarily localised in spermatids (at protein level)

## **IMP5 Polyclonal 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](#)

## **IMP5 Polyclonal Antibody - Images**