

IMP5 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13541**Specification**

IMP5 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8IUH8
Other Accession	NM_175882 , NP_787078
Reactivity	Human, Yeast
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74kDa KDa

IMP5 antibody - middle region - Additional Information**Gene ID** 162540**Alias Symbol** **SPPL2c, IMP5****Other Names**

Signal peptide peptidase-like 2C, SPP-like 2C, SPPL2c, 3.4.23.-, Intramembrane protease 5, IMP-5, SPPL2C, IMP5

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-IMP5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

IMP5 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

IMP5 antibody - middle region - 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:30733281). 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:30733281).

Cellular Location

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

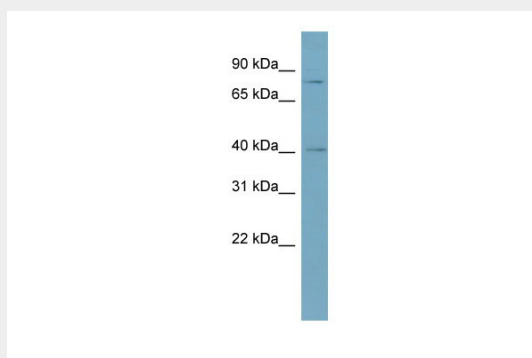
Tissue Location

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

IMP5 antibody - middle region - 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 antibody - middle region - Images

WB Suggested Anti-IMP5 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:62500

Positive Control: Human Thymus

IMP5 antibody - middle region - References

- Grigorenko A.P., et al. Biochemistry (Mosc.) 67:826-834(2002).
Zody M.C., et al. Nature 440:1045-1049(2006).
Friedmann E., et al. J. Biol. Chem. 279:50790-50798(2004).
Friedmann E., et al. Nat. Cell Biol. 8:843-848(2006).