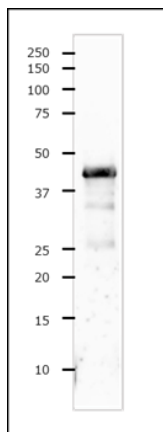


## Anti-RSPH1 / MCA / Tsga2 antibody, rabbit polyclonal

<b>Product code</b>	73-083
<b>Size</b>	50 µg
<b>Storage</b>	-20°C
<b>Concentration</b>	1.0 mg/ml
<b>Buffer</b>	PBS- with 50% glycerol
<b>Purity</b>	Purified IgG fraction with protein A from rabbit antiserum
<b>Immunogen</b>	Purified GST fusion mouse RSPH1 expressed <i>E.coli</i> .
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	mouse
<b>Special notes</b>	
<b>Application</b>	1. Western blotting (1-10µg/ml) 2. Immunofluorescence staining (1/100~1/800 dilution)
<b>Background</b>	<p>RSPH1 functions as part of axonemal radial spoke complexes that play an important part in the motility of sperm and cilia. The radial spoke head 1 homolog (RSPH1) is known as radial spoke head component 1, meichroacidin (MCA), Testis-specific gene A2 protein (TSA2).</p> <p><b>Molecular mass:</b> 35 kDa. Detected 40 kDa in mouse testis by WB.</p>
<b>Data Link</b>	UniPlotKB <a href="#">Q8VIG3</a> (RSPH1_MOUSE)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 73-083 Anti-RSPH1 /MCA /Tsga2 antibody, rabbit polyclonal



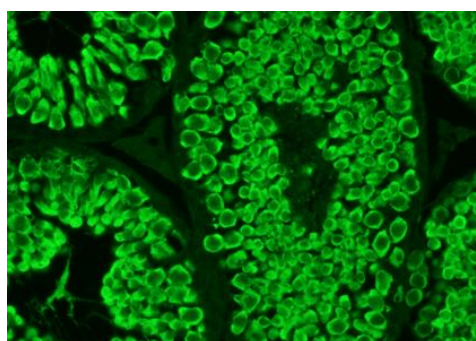
**Fig.1 Western Blot of RSPH1 protein**

Applied sample; 50µg of mouse testis whole lysate.

Primary antibody; 1µg/ml of anti-RSPH1 antibody

Secondary antibody; 1/10,000 dilution of goat anti-rabbit IgG antibody HRP-conjugated, ab97051)

Molecular mass of RSPH1; 40 kDa



**Fig.2 Immunohistochemistry for RSPH1 protein in mouse testis tissue**

The anti RSPH1 antibody was used at 50µg/ml (Alexa Fluor 488).

Samples were paraffin embedded sections.

**Reference:** This product has been used in the following publications.

1. Tsuchida J, *et al.* Molecular cloning and characterization of meichroacidin (male meiotic metaphase chromosome-associated acidic protein). *Developmental Biology*, Vol.197(1), 67-76 (1998). PMID: [9578619](#). **WB, IF**
2. Matsuoka Y, *et al.* Sperm flagella protein components: Human meichroacidin constructed by the membrane occupation and recognition nexus motif. *Reproductive Medicine and Biology*, Vol.4(3), 213–219 (2005). PMID: [29699225](#). **WB, IF**
3. Tokuhiko K, *et al.* Meichroacidin Containing the Membrane Occupation and Recognition Nexus Motif Is Essential for Spermatozoa Morphogenesis. *J Biol Chem*, Vol.283(27), 19039-19048 (2008). PMID: [18453535](#). **WB, IF**