

Anti-Haprin / Trim36 antibody, rabbit polyclonal

Product code	73-075
Size	100 µg
Storage	-20°C
Concentration	1.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum
Immunogen	N-terminal region of Haprin, INRPGWKRNSLTPR conjugated KLH
Isotype	Rabbit IgG
Reactivity	Mouse
Special notes	N/A
Application	1. Western blotting (1-10µg/ml) 2. Immunofluorescence staining (1-20µg/ml)
Background	<p>Haprin is a member of the RBCC (RING finger, B-box type zinc finger, and coiled-coil domain) motif family that has roles in several cellular processes, such as exocytosis. It is transcribed exclusively in testicular germ cells after meiotic division. Western blot and immunohistochemical analyses showed the molecular weight of Haprin protein to be Mr approximately 82,000. It was localized in the acrosomal region of elongated spermatids and mature sperm and was not present in acrosome-reacted sperm. The specific antibody against the RING finger domain of Haprin inhibited the acrosome reaction in permeabilized sperm.</p> <p>Molecular mass: Mouse 82.8 kDa</p> <p>Alternative names: E3 ubiquitin-protein ligase Trim36 (PMID: 19232519) RING-type E3 ubiquitin transferase TRIM36 Tripartite motif-containing protein 36</p>
Data Link	UniProtKB Q80WG7 (TRI36_MOUSE)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 73-075 Anti-Haprin /Trim36 antibody, rabbit polyclonal

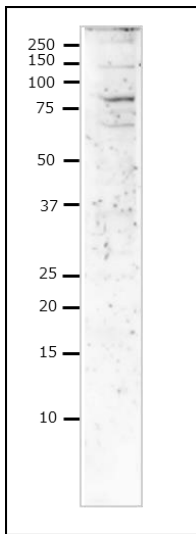


Fig.1 Western Blot of Tektin-2 protein

Applied sample; 20 μ g of mouse testis whole lysate.

Primary antibody; 1 μ g/ml of anti-Haprin antibody

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

Molecular mass of mouse Haprin; 82.5 kDa

anti Haprin antibody 1 μ g/ml (x1/1000)

DAPI

Merge

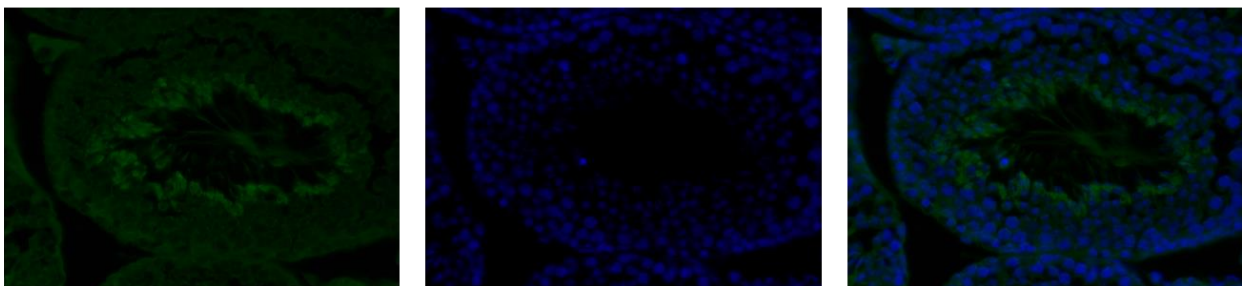


Fig.2. Immunohistochemical staining of Haprin in mouse testis with anti-Haprin antibody.

Section of formalin-fixed and paraffin embedded mouse testis was reacted with anti-Haprin antibody at 1/1000 dilution. Nuclear DNA was stained with DAPI (center) and merged image is shown.

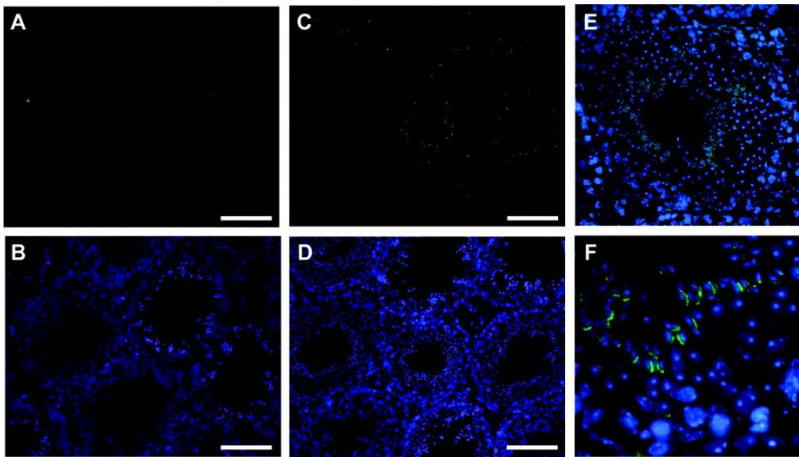


Fig3. Immunofluorescent localization of Haprin protein in testis. (Ref.1)

Frozen sections of adult mouse testis were stained with anti-Haprin antiserum as described under “Experimental Procedures.” Sections were counterstained with DAPI to visualize nuclei. *A* and *B*, control (preimmune rabbit serum). *C–F*, stained with anti-Haprin antiserum. *E* and *F*, higher magnification ($\times 1000$). *A* and *C*, FITC; *B* and *D*, DAPI; *E* and *F*, FITC plus DAPI. *Bar*, 100 μm .

Reference: This product has been used in the following publication.

1. Kitamura K, Tanaka H, Nishimune Y. Haprin, a Novel Haploid Germ Cell-specific RING Finger Protein Involved in the Acrosome Reaction. *J Biol Chem* 278(45)44417-23(2003) PMID: [12917430](https://pubmed.ncbi.nlm.nih.gov/12917430/).
WB, IF