

For Research Use Only

# IZUMO1 Polyclonal antibody, PBS Only

Catalog Number: 13296-1-PBS



## Basic Information

<b>Catalog Number:</b> 13296-1-PBS	<b>GenBank Accession Number:</b> BC034769	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 284359	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q8IYV9	
<b>Immunogen Catalog Number:</b> AG4008	<b>Full Name:</b> izumo sperm-egg fusion 1	
	<b>Calculated MW:</b> 350 aa, 39 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

**Tested Applications:**  
WB, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

The Izumo sperm egg fusion gene (IZUMO1) is a crucial member of the immunoglobulin superfamily and plays a crucial role in spermatogenesis, sperm egg interaction, and fusion. The expression of IZUMO1 mRNA was mainly in the testis and sperm and performed an important part in fertilization. IZUMO1 possess a well-conserved N-glycosylation site in the middle of an Ig loop among species. Research indicates that the glycosylated form of IZUMO1 has a molecular weight of 56 kDa, while its dimeric form has a molecular weight of 70 kDa (PMID: 21057513, PMID: 31146500).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

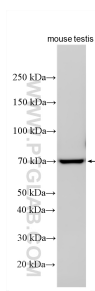
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

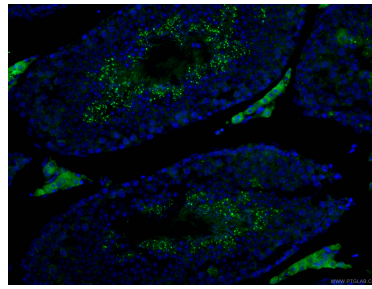
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Mouse testis tissue were subjected to SDS PAGE followed by western blot with 13296-1-AP (IZUMO 1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13296-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using 13296-1-AP (IZUMO 1 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 13296-1-PBS in a different storage buffer formulation.