

For Research Use Only

IZUMO1 Polyclonal antibody

Catalog Number: 13296-1-AP



Basic Information

Catalog Number: 13296-1-AP	GenBank Accession Number: BC034769	Purification Method: Antigen affinity purification
Size: 493 µg/ml	GeneID (NCBI): 284359	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8IYV9	
Isotype: IgG	Full Name: izumo sperm-egg fusion 1	
Immunogen Catalog Number: AG4008	Calculated MW: 350 aa, 39 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue,

IHC : human testis tissue,

IF-P : mouse testis tissue,

Background Information

IZUMO1, also named as OBF, is a sperm-specific protein. It is a novel member of the immunoglobulin superfamily located on sperm and is indispensable for sperm-egg fusion. For mouse Izumo1, the MW is about 56 kDa. For human IZUMO1, the MW is about 37-40 kDa in WB detection.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

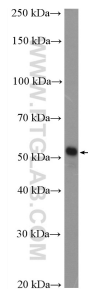
T: 4006900926

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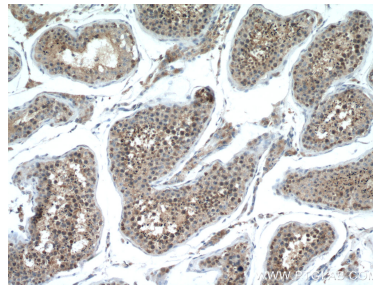
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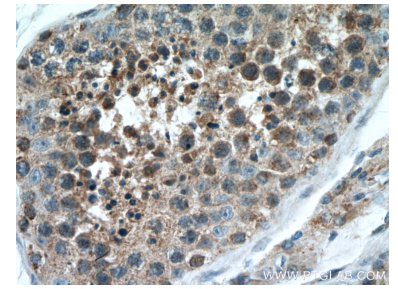
Selected Validation Data



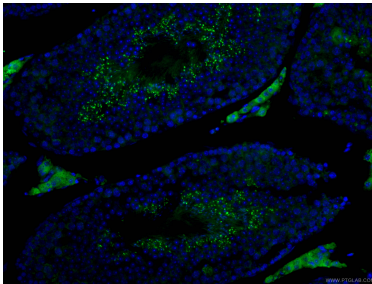
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13296-1-AP (IZUMO1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13296-1-AP (IZUMO1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13296-1-AP (IZUMO1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using 13296-1-AP (IZUMO1 antibody), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).