

For Research Use Only

# ODF1 Polyclonal antibody

Catalog Number: 24736-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 24736-1-AP	<b>GenBank Accession Number:</b> BC104457	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4956	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14990	
<b>Isotype:</b> IgG	<b>Full Name:</b> outer dense fiber of sperm tails 1	
<b>Immunogen Catalog Number:</b> AG20562	<b>Calculated MW:</b> 250 aa, 28 kDa	
	<b>Observed MW:</b> 28 kDa, 56 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : rat testis tissue, mouse testis tissue IHC : human testis tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, rat, mouse	
<b>Cited Species:</b> human, mouse, pig	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

ODF1, also named as Outer dense fiber protein 1, is a 250 amino acid protein, which contains the C-terminal contains many C-X-P repeats. ODF1 is a component of the outer dense fibers (ODF) of spermatozoa. ODF27 that suggested the possibility of inter- actions between ODF27 itself and/or between ODF27 and other sperm tail proteins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hua Nie	35860846	Mol Genet Genomic Med	WB
Yongjie Xu	34336820	Front Cell Dev Biol	WB
Xinying Cai	39516485	Cell Death Dis	WB

## Storage

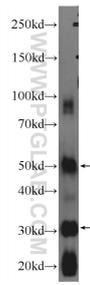
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

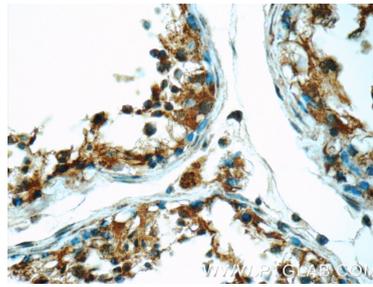
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



rat testis tissue were subjected to SDS PAGE followed by western blot with 24736-1-AP (ODF1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 24736-1-AP (ODF1 Antibody) at dilution of 1:50 (under 40x lens).