

For Research Use Only

INSL3 Polyclonal antibody

Catalog Number: 17997-1-AP **1 Publications**



Basic Information

Catalog Number: 17997-1-AP	GenBank Accession Number: BC071706	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3640	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: insulin-like 3 (Leydig cell)	
Isotype: IgG	Calculated MW: 131 aa, 14 kDa	
Immunogen Catalog Number: AG12455		

Applications

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

Background Information

Insulin-like 3 (INSL3), a Leydig cell-specific hormone, is essential for testis descent during foetal life and bone metabolism in adults. Insl3-deficient mice exhibit bilateral undescended testes located high in the abdominal cavity. INSL3 is presumed also to conform to a heterodimeric A-B structure of approximately 6 kDa once released from the producing cells. It is possible that both the mature form of INSL3 (6.6 kDa) and the pro-form(s) of INSL3 (12-14 kDa) are secreted from mammalian Leydig cells (PMID: 19329805).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiang Zhou	36308879	Ecotoxicol Environ Saf	WB

Storage

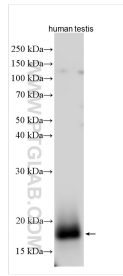
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

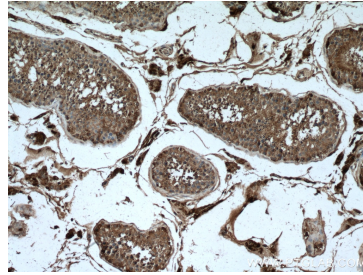
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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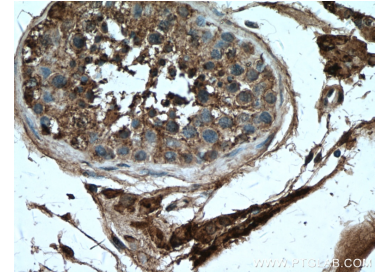
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 17997-1-AP (INSL3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17997-1-AP (INSL3 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 17997-1-AP (INSL3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).