

Leptin Polyclonal antibody

Catalog Number: 17436-1-AP

4 Publications

Basic Information

Catalog Number: 17436-1-AP	GenBank Accession Number: BC060830	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3952	Recommended Dilutions: IHC 1:200-1:800 IF 1:50-1:500
Source: Rabbit	Full Name: leptin	
Isotype: IgG	Calculated MW: 167 aa, 19 kDa	
Immunogen Catalog Number: AG11507		

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls:
Cited Applications: IHC	IHC : human stomach tissue, human liver tissue, human ovary tissue, human placenta tissue, human testis tissue, mouse ovary tissue, mouse brain tissue, human breast cancer tissue
Species Specificity: human, mouse	IF : HeLa cells, NIH/3T3 cells
Cited Species: 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	

Background Information

Leptin is a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. Leptin is the most critical hormone in the homeostatic regulation of energy balance among those so far discovered. Leptin primarily acts on the neurons of the mediobasal part of hypothalamus to regulate food intake, thermogenesis, and the blood glucose level. Leptin also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. Leptin has also been linked to type 2 diabetes mellitus development.

Notable Publications

Author	Pubmed ID	Journal	Application
Youyi Wang	34673376	Mol Immunol	
Paola Maroni	33213024	Biomedicines	IHC
Li Zheng	31828124	Biomed Res Int	IHC

Storage

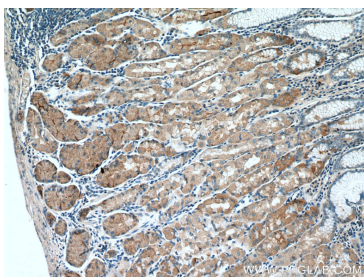
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

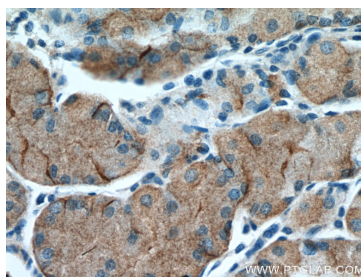
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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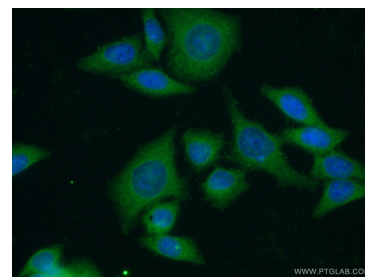
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 17436-1-AP (Leptin antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 17436-1-AP (Leptin antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 17436-1-AP (Leptin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).