For Research Use Only

Spexin Polyclonal antibody, PBS Only

Catalog Number:20467-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
20467-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14304

GenBank Accession Number:
BC004336

GeneID (NCBI):
80763

UNIPROT ID:
Q9BT56

Full Name:
chromosome 12 open reading frame 39

Calculated MW:
116 aa, 13 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse

Background Information

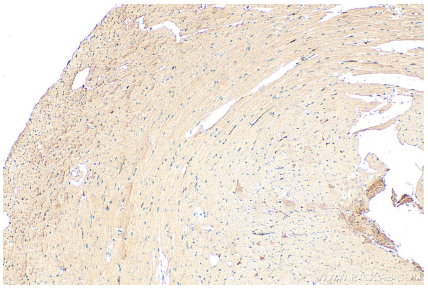
Spexin (SPX), also known as neuropeptide Q, is a novel and highly conserved neuroendocrine peptide discovered through bioinformatics. Spexin and its receptors (primarily galanin receptor types 2 and 3) are widely expressed throughout the body, including the central nervous system, gastrointestinal tract, adipose tissue, kidneys, and cardiovascular system. Research indicates that Spexin is a multifunctional regulatory peptide, with its most central role being in energy homeostasis and metabolic regulation. It functions to suppress appetite, reduce body weight, and improve insulin resistance and glucose metabolism, making it a potential biomarker and therapeutic target for metabolic diseases such as obesity and type 2 diabetes. Additionally, Spexin is involved in regulating various physiological and pathological processes, including pain perception, anxiety- and depression-like behaviors, cardiovascular function, and reproductive activities.

Storage

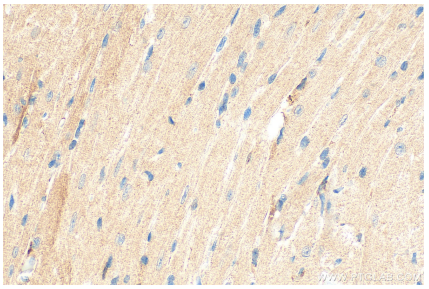
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

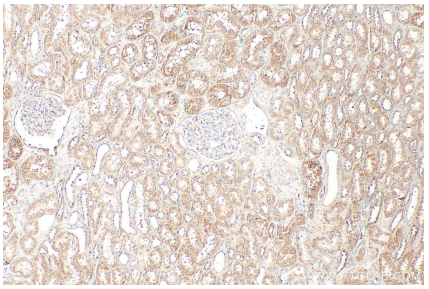
Selected Validation Data



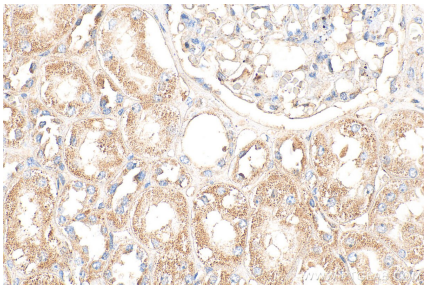
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 20467-1-AP (C12orf39 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.



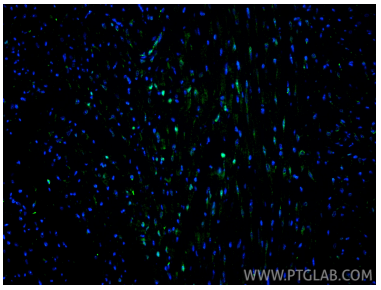
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 20467-1-AP (C12orf39 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.



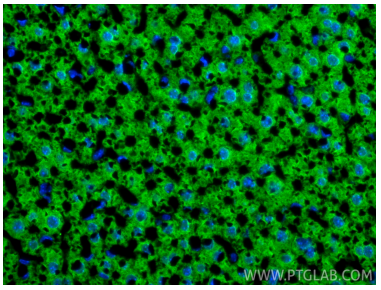
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 20467-1-AP (Spexin antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 20467-1-AP (Spexin antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using C12orf39 antibody (20467-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Spexin antibody (20467-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20467-1-PBS in a different storage buffer formulation.