

For Research Use Only

CXXC5 Polyclonal antibody, PBS Only

Catalog Number: 16513-1-PBS

Featured Product



Basic Information

Catalog Number:

16513-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9733

GenBank Accession Number:

BC017439

GeneID (NCBI):

51523

UNIPROT ID:

Q7LFL8

Full Name:

CXXC finger 5

Calculated MW:

322aa, 33 kDa; 227aa, 24 kDa

Observed MW:

35-40 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Background Information

CXXC5 (CXXC-type zinc finger protein 5) is also named as HSPC195, RINF and TCCCA00297. CXXC5 is a member of the CXXC-type zinc-finger protein family. CXXC5 is a short protein (322 amino acids in length) that does not have any catalytic domain, but is able to bind to DNA and act as a transcription factor and epigenetic factor through protein-protein interactions. In addition, CXXC5 is capable of regulating various signal transduction processes, including the TGF- β , Wnt and ATM-p53 pathways, thereby acting as a novel and crucial signaling coordinator. CXXC5 plays an important role in embryonic development and adult tissue homeostasis by regulating cell proliferation, differentiation and apoptosis (PMID: 30479059). CXXC5 has two isoforms of 33 kDa and 24 kDa (PMID: 25805812). CXXC5 is modified by phosphorylation after translation.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

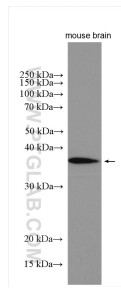
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

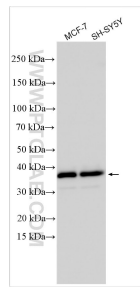
E: proteintech@ptglab.com
W: ptglab.com

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

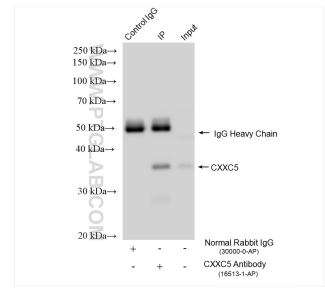
Selected Validation Data



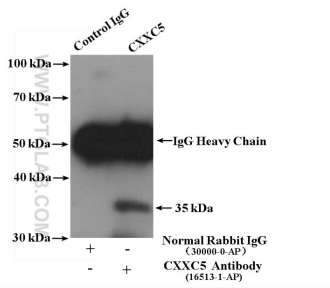
mouse brain tissue were subjected to SDS PAGE followed by western blot with 16513-1-AP (CXXC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



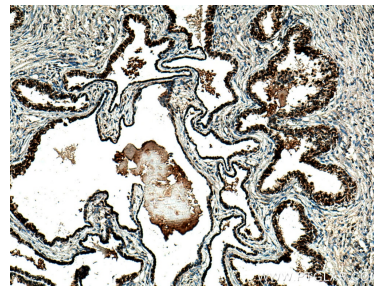
Various lysates were subjected to SDS PAGE followed by western blot with 16513-1-AP (CXXC5 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



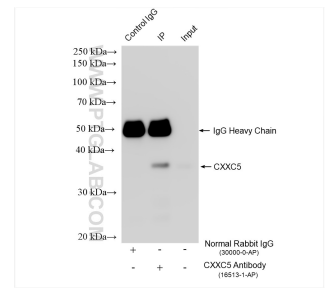
IP result of anti-CXXC5 (IP:16513-1-AP, 4ug; Detection:16513-1-AP 1:6000) with SH-SY5Y cells lysate 1280 ug. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



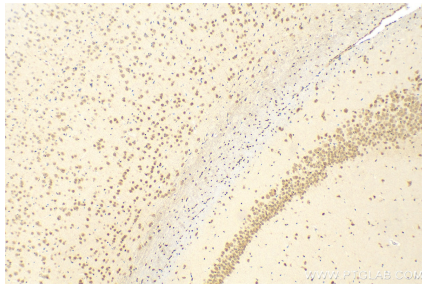
IP result of anti-CXXC5 (IP:16513-1-AP, 4ug; Detection:16513-1-AP 1:300) with SH-SY5Y cells lysate 3400 ug. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



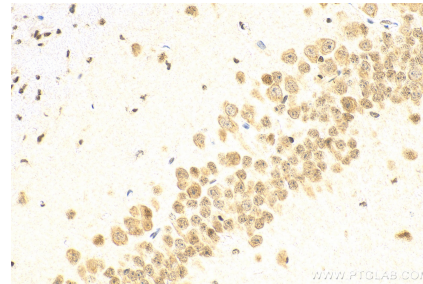
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 16513-1-AP (CXXC5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



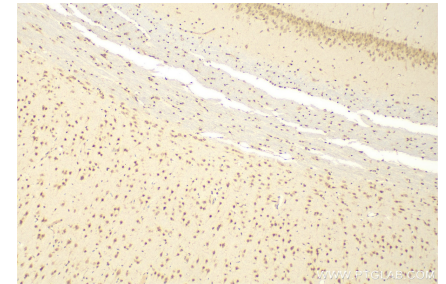
IP result of anti-CXXC5 (IP:16513-1-AP, 4ug; Detection:16513-1-AP 1:6000) with mouse brain tissue lysate 2400 ug. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



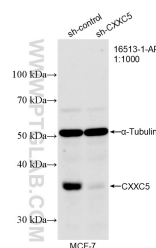
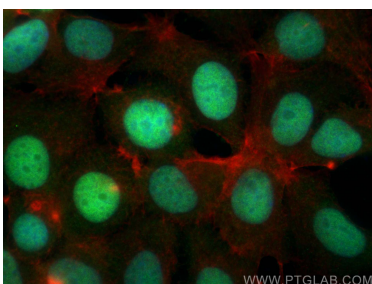
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16513-1-AP (CXXC5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16513-1-AP (CXXC5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 16513-1-AP (CXXC5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CXXC5 antibody (16513-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.

WB result of CXXC5 antibody (16513-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CXXC5 transfected MCF-7 cells. This data was developed using the same antibody clone with 16513-1-PBS in a different storage buffer formulation.