

CXXC5 Polyclonal antibody

Catalog Number: 16513-1-AP

Featured Product

9 Publications

Basic Information

Catalog Number:

16513-1-AP

Size:

800 µg/ml

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

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IHC, CHIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, zebrafish

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, MCF-7 cells

IP : SH-SY5Y cells,

IHC : human prostate cancer tissue,

IF : HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoyan Wu	34621736	Front Cell Dev Biol	WB,ChIP
Tingling Zou	36063856	Chem Biol Interact	WB
Audrey Astori	33241676	Haematologica	WB,ChIP

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

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

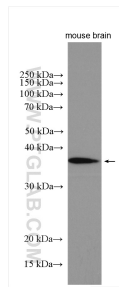
T: 4006900926

E: Proteintech-CN@ptglab.com

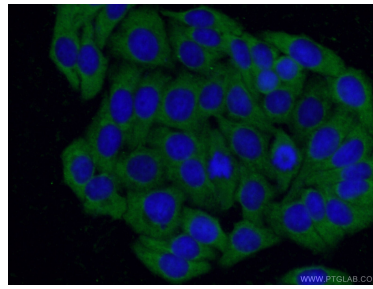
W: ptgcn.com

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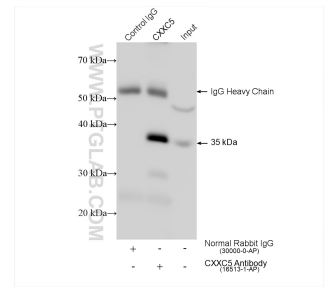
Selected Validation Data



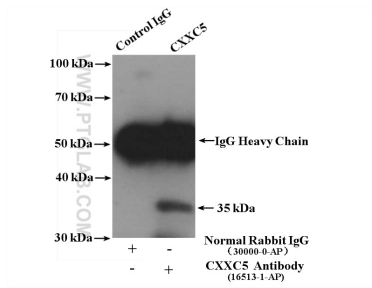
mouse brain tissue were subjected to SDS PAGE followed by western blot with 16513-1-AP (CXXC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



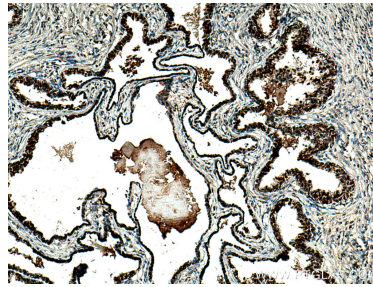
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 16513-1-AP (CXXC5 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CXXC5 (IP:16513-1-AP, 4ug; Detection:16513-1-AP 1:8000) with SH-SY5Y cells lysate 1240 ug.



IP result of anti-CXXC5 (IP:16513-1-AP, 4ug; Detection:16513-1-AP 1:300) with SH-SY5Y cells lysate 3400 ug.



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).