

For Research Use Only

WHSC1 Polyclonal antibody

Catalog Number: 22722-1-AP



Basic Information

Catalog Number: 22722-1-AP	GenBank Accession Number: BC152412	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 7468	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: Wolf-Hirschhorn syndrome candidate 1	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 162 kDa	
Immunogen Catalog Number: AG18611	Observed MW: 70 kDa, 150 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:

human

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 : HCT 116 cells,

IP : HeLa cells,

IHC : human breast cancer tissue,

Background Information

WHSC1 (also known as MMSET or NSD2) is a SET domain containing histone lysine methyltransferase that can di- and trimethylate histone H3 at lysine 36 (H3K36). WHSC1 mRNA is highly expressed in embryonic tissues, especially those with high degrees of proliferation, whereas in adult tissues, the mRNA is primarily expressed in thymus and testis. WHSC1 is implicated in cellular adhesion, clonogenic growth and tumorigenicity. Its overexpression has been found in various cancers. It undergoes alternative splicing resulting in different protein isoforms. Recently WHSC1 has been identified as a critical epigenetic regulator for Tfh differentiation.

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

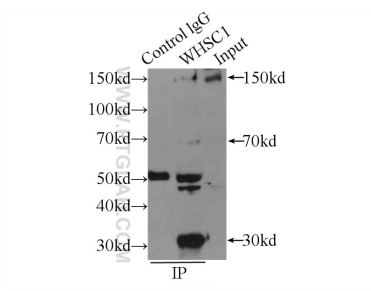
For technical support and original validation data for this product please contact:

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

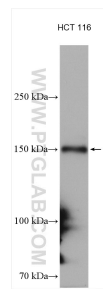
E: proteintech@ptglab.com
W: ptglab.com

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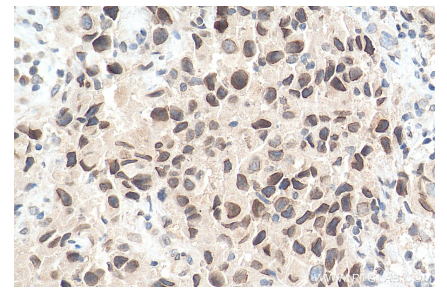
Selected Validation Data



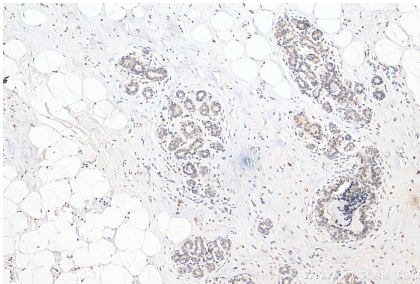
IP Result of anti-WHSC1 (IP:22722-1-AP, 3ug; Detection:22722-1-AP 1:300) with HeLa cells lysate 2000ug.



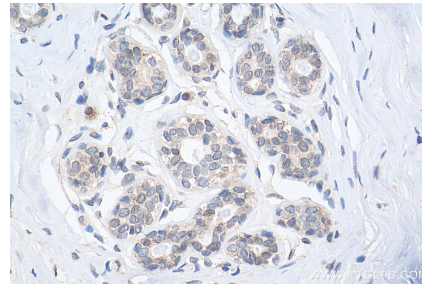
HCT 116 cells were subjected to SDS PAGE followed by western blot with 22722-1-AP (WHSC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22722-1-AP (WHSC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22722-1-AP (WHSC1 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 breast cancer tissue slide using 22722-1-AP (WHSC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).