

For Research Use Only

PHF2 Polyclonal antibody

Catalog Number: 24624-1-AP

1 Publications



Basic Information

Catalog Number: 24624-1-AP	GenBank Accession Number: BC152437	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5253	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O75151	
Isotype: IgG	Full Name: PHD finger protein 2	
Immunogen Catalog Number: AG20257	Calculated MW: 1101 aa, 121 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IP, IHC, ELISA	Positive Controls: WB : Jurkat cells, IP : HeLa cells, IHC : human cervical cancer tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	
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

PHD finger protein 2 (PHF2), also known as JHDM1E (Jumonji C domain-containing histone demethylase 1E) or GRC5, is a 1101 amino acid protein, which contains one JmjC domain and one PHD-type zinc finger. PHF2 belongs to the JHDM1 histone demethylase family and localizes in the nucleus. PHF2 demethylases both histones and non-histone proteins. PHF2 is widely expressed in various tissues and exists as two alternative splicing isoforms. The gene encoding PHF2 lies in the candidate region for hereditary sensory neuropathy type I (HSN1), a disorder characterized by sensory dysfunction

Notable Publications

Author	Pubmed ID	Journal	Application
Tong-Min Wang	37352861	Am J Hum Genet	WB

Storage

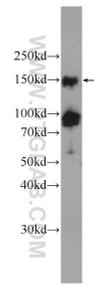
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

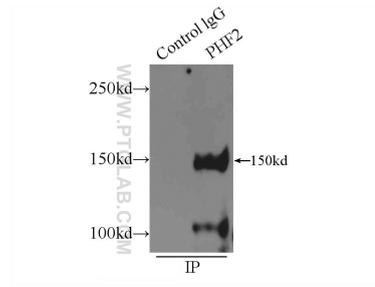
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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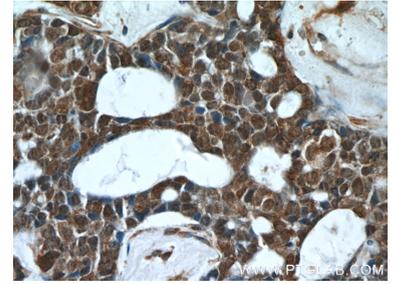
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 24624-1-AP (PHF2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-PHF2 (IP:24624-1-AP, 4ug; Detection:24624-1-AP 1:500) with HeLa cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 24624-1-AP (PHF2 Antibody) at dilution of 1:50 (under 40x lens).