PHF2 antibody

Product Information

Catalog No.:	FNab06384
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Lysine demethylase that demethylates both histones and non-histone proteins. Enzymatically inactive by itself, and becomes active following phosphorylation by PKA: forms a complex with ARID5B and mediates demethylation of methylated ARID5B. Demethylation of ARID5B leads to target the PHF2-ARID5B complex to target promoters, where PHF2 mediates demethylation of dimethylated 'Lys-9' of histone H3(H3K9me2), followed by transcription activation of target genes. The PHF2-ARID5B complex acts as a coactivator of HNF4A in liver. PHF2 is recruited to trimethylated 'Lys-4' of histone H3(H3K4me3) at rDNA promoters and promotes expression of rDNA.

Immunogen information

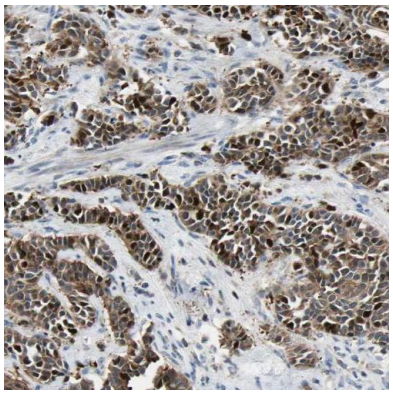
Immunogen:	PHD finger protein 2
Synonyms:	Lysine-specific demethylase PHF2|GRC5|PHD finger protein 2|PHF2|CENP-35|KIAA0662
Observed MW:	100 kDa, 150 kDa
Uniprot ID :	O75151

Application

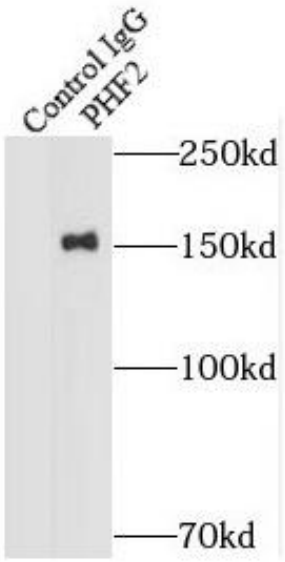
Reactivity:	Human
Tested Application:	ELISA, WB, IHC, IP

Recommended dilution: WB: 1:200-1:1000; IP: 1:500-1:1000; IHC: 1:20-1:200

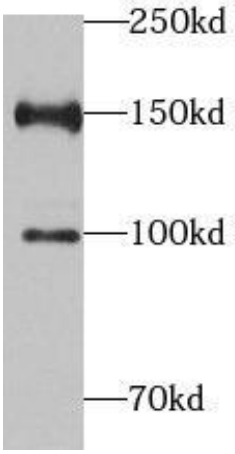
Image:



Immunohistochemistry of paraffin-embedded human cervical cancer tissue slide using FNab06384(PHF2 Antibody) at dilution of 1:50



IP Result of anti-PHF2 (IP:FNab06384, 4ug; Detection:FNab06384 1:500) with HeLa cells lysate 1800ug.



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab06384(PHF2 Antibody) at dilution of 1:500