

## anti- 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°C 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:	GRC5, JHDM1E, KIAA0662, PHD finger protein 2, PHF2
Observed MW:	100 kDa, 150 kDa
UniprotID :	O75151

### Application

### Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

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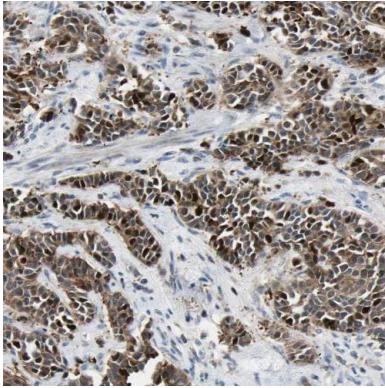
Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

Reactivity: Human

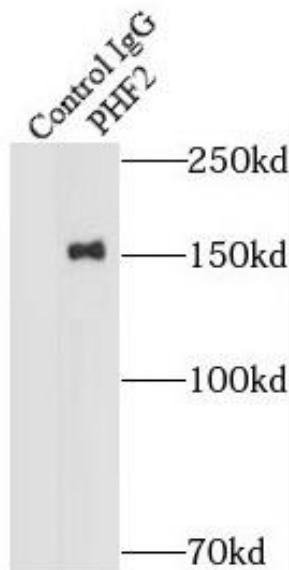
Tested Application: ELISA, WB, IHC, IP

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



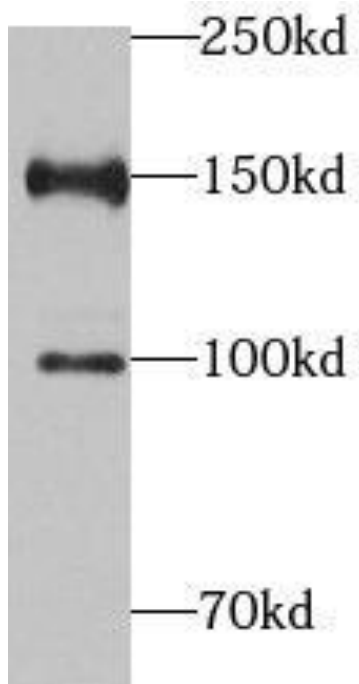
IP Result of anti-PHF2 (IP:FNab06384, 4ug; Detection:FNab06384 1:500) with HeLa cells lysate 1800ug.

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