

## anti- PIWIL1 antibody

### Product Information

Catalog No.:	FNab06475
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

Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Directly binds methylated piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. Besides their function in transposable elements repression, piRNAs are probably involved in other processes during meiosis such as translation regulation. Probable component of some RISC complex, which mediates RNA cleavage and translational silencing. Also plays a role in the formation of chromatoid bodies and is required for some miRNAs stability(By similarity). Isoform 3 may be a negative developmental regulator(PubMed:12037681, PubMed:16287078).

### Immunogen information

Immunogen:	piwi-like 1(Drosophila)
Synonyms:	HIWI
Observed MW:	85-95 kDa
UniprotID :	Q96J94

### Wuhan Fine Biotech Co., Ltd.

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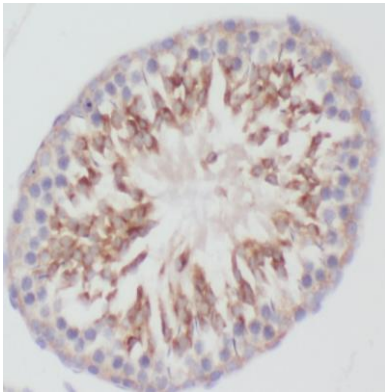
## Application

Reactivity: Human, Mouse

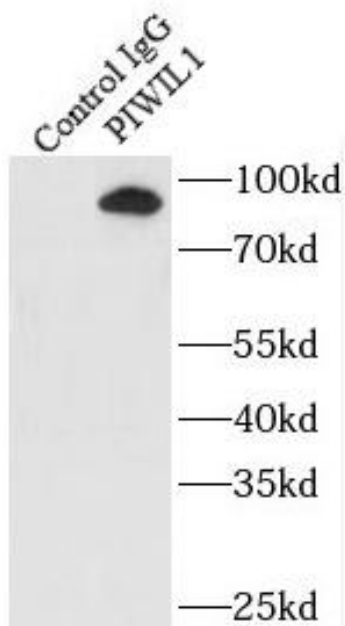
Tested Application: ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human testis tissue slide using FNab06475(PIWIL1 Antibody) at dilution of 1:50



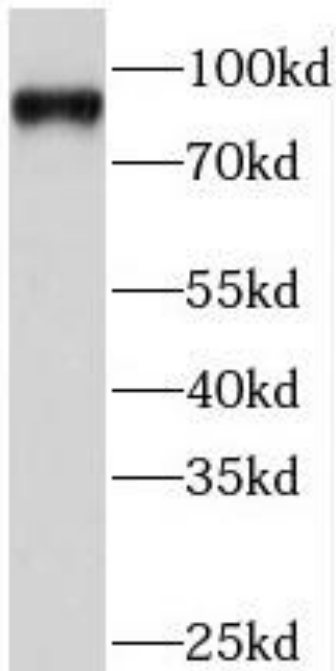
IP Result of anti-PIWIL1 (IP:FNab06475, 4ug; Detection:FNab06475 1:500) with mouse testis tissue lysate 2400ug.

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human testis tissue were subjected to SDS PAGE followed by western blot with FNab06475(PIWIL1 Antibody) at dilution of 1:600