

PIF1 antibody

Product Information

Catalog No.:	FNab06436
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

DNA-dependent ATPase and 5'-3' DNA helicase required for the maintenance of both mitochondrial and nuclear genome stability. Efficiently unwinds G-quadruplex(G4) DNA structures and forked RNA-DNA hybrids. Resolves G4 structures, preventing replication pausing and double-strand breaks(DSBs) at G4 motifs. Involved in the maintenance of telomeric DNA. Inhibits telomere elongation, de novo telomere formation and telomere addition to DSBs via catalytic inhibition of telomerase. Reduces the processivity of telomerase by displacing active telomerase from DNA ends. Releases telomerase by unwinding the short telomerase RNA/telomeric DNA hybrid that is the intermediate in the telomerase reaction. Possesses an intrinsic strand annealing activity.

Immunogen information

Immunogen:	PIF1 5'-to-3' DNA helicase homolog
Synonyms:	ATP-dependent DNA helicase PIF1 DNA repair and recombination helicase PIF1 PIF1/RRM3 DNA helicase-like protein PIF1 C15orf20
Observed MW:	63-73 kDa
Uniprot ID :	Q9H611

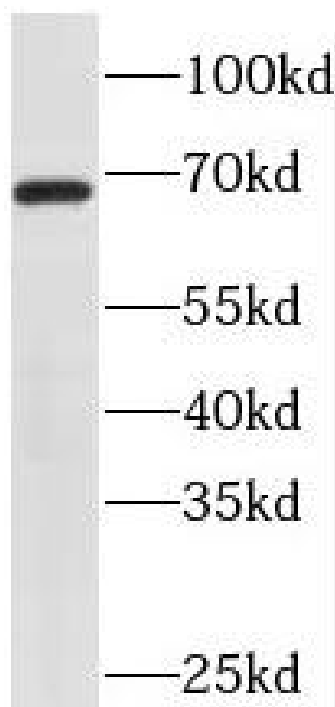
Application

Reactivity:	Human, Mouse, Rat
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Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



mouse thymus tissue were subjected to SDS PAGE followed by western blot with FNab06436(PIF1 antibody) at dilution of 1:800