

Immunotag™ PIF1 Antibody

Antibody Specification	
Catalog No.	ITA8997
Product Description	Immunotag™ PIF1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PIF1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PIF1
Specificity	PIF1 Antibody detects endogenous levels of total PIF1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PIF1
Accession No.	Q9H611
Alternate Names	ATP dependent DNA helicase PIF1; ATP-dependent DNA helicase PIF1; C15orf20; DNA helicase homolog PIF1; DNA helicase PIF1; DNA repair and recombination helicase PIF1; Petite integration frequency 1; PIF; PIF1 5' to 3' DNA helicase; PIF1 5' to 3' DNA helicase homolog; PIF1; PIF1 DNA helicase; PIF1/RRM3 DNA helicase like protein; PIF1/RRM3 DNA helicase-like protein; PIF1_HUMAN;

Antibody Specification

Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	70 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.