

Immunotag™ PIF1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN0486
Product Description	Immunotag™ PIF1 Polyclonal Antibody
Size	50 µg, 100 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,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 150-230
Specificity	PIF1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PIF1 C15orf20
Accession No.	Q9H611 Q80SX8 Q1HG60
Description	PIF1 5'-to-3' DNA helicase(PIF1) Homo sapiens This gene encodes a DNA-dependent adenosine triphosphate (ATP)-metabolizing enzyme that functions as a 5' to 3' DNA helicase. The encoded protein can resolve G-quadruplex structures and RNA-DNA hybrids at the ends of chromosomes. It also prevents telomere elongation by inhibiting the actions of telomerase. Alternative splicing and the use of alternative start codons results in multiple isoforms that are differentially localized to either the mitochondria or the nucleus. [provided by RefSeq, Nov 2013],

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Protein Expression	Brain,Small intestine,Testicle,
Subcellular Localization	nuclear chromosome, telomeric region,replication fork,mitochondrion,
Protein Function	function:DNA-dependent ATPase and DNA helicase inhibiting telomerase activity by unwinding DNA/RNA duplex formed by telomerase RNA and telomeric DNA in a 5' to 3' polarity. Negatively regulates telomere length and such inhibition requires its ATPase activity. Tightly cell cycle regulated and expressed in late S/G2 phase.,similarity:Belongs to the helicase family.,subunit:Interacts with telomerase.,tissue specificity:Weak ubiquitous expression.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.