



# PIF1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05360
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	PIF1 C15orf20
<b>Protein Name</b>	ATP-dependent DNA helicase PIF1 (EC 3.6.4.12) (PIF1/RRM3 DNA helicase-like protein)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 150-230
<b>Specificity</b>	PIF1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	70kD
<b>Cell Pathway</b>	Nucleus .; [Isoform 4]: Mitochondrion .
<b>Tissue Specificity</b>	Weak ubiquitous expression.
<b>Function</b>	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.,
<b>Background</b>	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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**