PIF1 Monoclonal Antibody

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