



# PIF1 Monoclonal Antibody

Catalog No	BYmab-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 1:500-2000
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

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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

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