



WDR79 Monoclonal Antibody

Catalog No	BYab-03447
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	WRAP53
Protein Name	Telomerase Cajal body protein 1
Immunogen	Purified recombinant human WDR79 protein fragments expressed in E.coli.
Specificity	WDR79 Monoclonal Antibody detects endogenous levels of WDR79 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WRAP53; TCAB1; WDR79; Telomerase Cajal body protein 1; WD repeat-containing protein 79; WD40 repeat-containing protein encoding RNA antisense to p53
Observed Band	
Cell Pathway	Nucleus, Cajal body . Chromosome, telomere . Chromosome . Released from telomerase RNA template component (TERC) in mitotic cells coincident with delocalization from Cajal bodies (PubMed:26170453). In response to DNA damage, localizes to sites of DNA double-strand breaks following phosphorylation by ATM (PubMed:26734725, PubMed:27715493). .
Tissue Specificity	Expressed in all tissues and cell lines examined.
Function	DNA metabolic process, telomere organization, telomere assembly, telomere formation via telomerase, positive regulation of catalytic activity, positive regulation of molecular function, chromosome organization, regulation of transferase activity, positive regulation of transferase activity, regulation of telomerase activity, positive regulation of telomerase activity,

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Background

This gene encodes an essential component of the telomerase holoenzyme complex, a ribonucleoprotein complex required for telomere synthesis. This protein is enriched in Cajal bodies, nuclear sites of RNP processing that are important for telomerase function. It interacts with dyskerin, TERT and TERC, other components of active telomerase, and with small Cajal body RNAs (scaRNAs), which are involved in modifying splicing RNAs. This mRNA also functions as a p53 antisense transcript, that regulates endogenous p53 mRNA levels and further induction of p53 protein by targeting the 5' untranslated region of p53 mRNA. Alternatively spliced transcript variants which differ only in the 5' UTR have been found for this gene. [provided by RefSeq, Mar 2011],

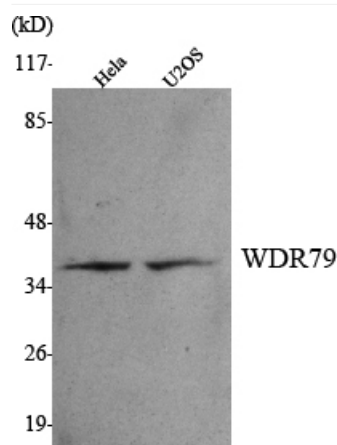
matters needing attention

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



Western Blot analysis using WDR79 Monoclonal Antibody against HeLa, U2OS cell lysate.