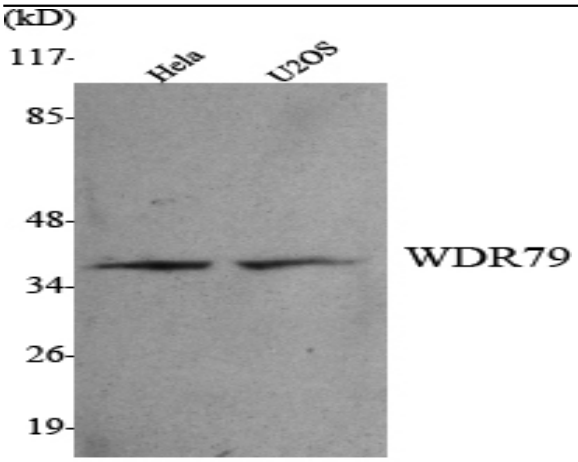
Best Tools for immunology Research

WDR79 Monoclonal Antibody

Catalog No :	YM1113
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	WDR79
Gene Name :	WRAP53
Protein Name :	Telomerase Cajal body protein 1
Human Gene Id :	55135
Human Swiss Prot No :	Q9BUR4
Mouse Gene Id :	216853
Mouse Swiss Prot No :	Q8VC51
Rat Gene Id :	287432
Rat Swiss Prot No :	Q5XII5
Immunogen :	Purified recombinant human WDR79 protein fragments expressed in E.coli.
Specificity :	WDR79 Monoclonal Antibody detects endogenous levels of WDR79 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	59kD
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],
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,
Subcellular Location :	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). .
Expression :	Expressed in all tissues and cell lines examined.
Sort :	24271
No4 :	1
Host :	Mouse
Modifications :	Unmodified

Products Images



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