

WDR79 Monoclonal Antibody

Catalog No: YM1113

Reactivity: Human; Mouse; Rat

Applications: WB

Target: WDR79

Gene Name: WRAP53

Protein Name: Telomerase Cajal body protein 1

Q9BUR4

Q8VC51

Human Gene Id: 55135

Human Swiss Prot

No:

Mouse Gene ld: 216853

Mouse Swiss Prot

No:

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

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Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 59kD

Location:

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 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

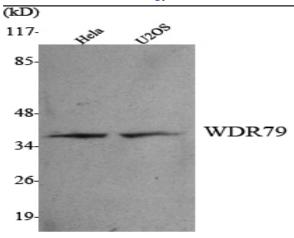
No4: 1

Host: Mouse

Modifications: Unmodified

Products Images

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