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Datasheet for ABIN7142657

anti-DCLRE1B antibody (AA 345-493) (Biotin)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | DCLRE1B |
| Binding Specificity: | AA 345-493 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DCLRE1B antibody is conjugated to Biotin |
| Application: | ELISA |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human 5' exonuclease Apollo protein (345-493AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | DCLRE1B |
| Alternative Name: | DCLRE1B (DCLRE1B Products) |
| Background: | Background: 5'-3' exonuclease that plays a central role in telomere maintenance and protection during S-phase. Participates in the protection of telomeres against non-homologous |

Target Details

end-joining (NHEJ)-mediated repair, thereby ensuring that telomeres do not fuse. Plays a key role in telomeric loop (T loop) formation by being recruited by TERF2 at the leading end telomeres and by processing leading-end telomeres immediately after their replication via its exonuclease activity: generates 3' single-stranded overhang at the leading end telomeres avoiding blunt leading-end telomeres that are vulnerable to end-joining reactions and expose the telomere end in a manner that activates the DNA repair pathways. Together with TERF2, required to protect telomeres from replicative damage during replication by controlling the amount of DNA topoisomerase (TOP1, TOP2A and TOP2B) needed for telomere replication during fork passage and prevent aberrant telomere topology. Also involved in response to DNA damage: plays a role in response to DNA interstrand cross-links (ICLs) by facilitating double-strand break formation. In case of spindle stress, involved in prophase checkpoint.

Aliases: DCLRE1B antibody, SNM1B5' exonuclease Apollo antibody, EC 3.1.-.- antibody, DNA cross-link repair 1B protein antibody, SNM1 homolog B antibody, SNMIB antibody, hSNM1B antibody

UniProt: [Q9H816](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.