

=IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DDX18 Polyclonal Antibody - Protein Information

Name DDX18

Synonyms cPERP-D {ECO:0000303|PubMed:20813266}

Function

ATP-dependent RNA helicase that plays a role in the regulation of R-loop homeostasis in both endogenous R-loop-prone regions and at sites of DNA damage. At endogenous loci such as actively transcribed genes, may act as a helicase to resolve the formation of R- loop during transcription and prevent the interference of R-loop with DNA-replication machinery. Also participates in the removal of DNA- lesion-associated R-loop (PubMed:35858569). Plays an essential role for establishing pluripotency during embryogenesis and for pluripotency maintenance in embryonic stem cells. Mechanistically, prevents the polycomb repressive complex 2 (PRC2) from accessing rDNA loci and protects the active chromatin status in nucleolus (By similarity).

Cellular Location

Nucleus, nucleolus. Chromosome

DDX18 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DDX18 Polyclonal Antibody - Images