

RAD26L/C9orf102 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57639

Specification

RAD26L/C9orf102 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Physical State

Q5T890
Rat
Rabbit
Polyclonal
177 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human RAD26L/C9orf102

Epitope Specificity 461-560/1561

lsotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the SNF2/RAD54 helicase

family. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal

domain.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of the Snf2 family of helicase-like proteins. The encoded protein may play a role in DNA repair and mitochondrial function. Mutations in this gene have been associated with bone marrow failure syndrome 2. Alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq, Apr 2014]

RAD26L/C9orf102 Polyclonal Antibody - Additional Information

Gene ID 375748

Other Names

DNA excision repair protein ERCC-6-like 2, 3.6.4.-, DNA repair and recombination protein RAD26-like, ERCC6L2, C9orf102, RAD26L

Dilution

IHC-P~~N/A<br \><span class</pre>

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A



Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

RAD26L/C9orf102 Polyclonal Antibody - Protein Information

Name ERCC6L2 (HGNC:26922)

Synonyms C9orf102, RAD26L

Function

Promotes double-strand break (DSB) end-joining and facilitates programmed recombination by controlling how DNA ends are joined in a spatially oriented manner during repair (By similarity). Also plays a role in DNA repair by restricting DNA end resection in double strand break (DSB) repair (PubMed:<a href="http://www.uniprot.org/citations/24507776"

target="_blank">24507776, PubMed:37014751). Facilitates replication of complex DNA regions and regulates the maintenance of chromatin structure (PubMed:37014751).

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Mitochondrion. Chromosome, centromere. Note=Colocalizes with NEK6 in the centrosome (PubMed:20873783). In response to DNA damage, translocates from the cytosol to mitochondria and nucleus in a reactive oxygen species (ROS)-dependent manner (PubMed:24507776). Centromeric localization is facilitated by its interaction with PCNA (PubMed:37014751).

Tissue Location

Expressed in bone marrow (at protein level).

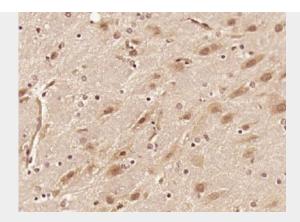
RAD26L/C9orf102 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

RAD26L/C9orf102 Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RAD26L) Polyclonal Antibody, Unconjugated (bs-19724R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.