

RAD26 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP12097c

Specification

RAD26 Antibody (Center) - Product Information

Application WB,E
Primary Accession O5T890

Other Accession NP_001010895.1

Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Rabbit
Polyclonal
Rabbit IgG
176051
226-254

RAD26 Antibody (Center) - Additional Information

Gene ID 375748

Other Names

DNA excision repair protein ERCC-6-like 2, 364-, DNA repair and recombination protein RAD26-like, ERCC6L2, C9orf102, RAD26L

Target/Specificity

This RAD26 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 226-254 amino acids from the Central region of human RAD26.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

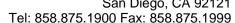
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAD26 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RAD26 Antibody (Center) - 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: 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

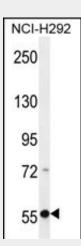
Expressed in bone marrow (at protein level).

RAD26 Antibody (Center) - Protocols

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

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

RAD26 Antibody (Center) - Images



RAD26 Antibody (Center) (Cat. #AP12097c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the RAD26 antibody detected the RAD26 protein (arrow).

RAD26 Antibody (Center) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007) Venter, J.C., et al. Science 291(5507):1304-1351(2001)