10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ERCC6L antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14044

Product Information

Application	WB
Primary Accession	Q2NKX8
Other Accession	NM_017669, NP_060139
Reactivity	Human, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Rat, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	141103

Additional Information

Gene ID	54821
Alias Symbol	FLJ20105, MGC131695, PICH
Other Names	DNA excision repair protein ERCC-6-like, 3.6.4.12, ATP-dependent helicase ERCC6-like, PLK1-interacting checkpoint helicase, Tumor antigen BJ-HCC-15, ERCC6L, PICH
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ERCC6L antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ERCC6L antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

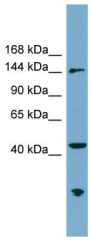
Name	ERCC6L
Function	DNA helicase that acts as a tension sensor that associates with catenated DNA which is stretched under tension until it is resolved during anaphase (PubMed:17218258, PubMed:23973328). Functions as ATP-dependent DNA translocase (PubMed:23973328, PubMed:28977671). Can promote Holliday junction branch migration (in vitro) (PubMed:23973328).
Cellular Location	Chromosome, centromere. Chromosome, centromere, kinetochore. Chromosome. Note=Localizes to kinetochores, inner centromeres and thin threads connecting separating chromosomes even during anaphase. In

prometaphase cells, it mostly concentrates in between kinetochores. In metaphase, it localizes to numerous thin threads that stretch between sister kinetochores of the aligned chromosomes and are composed of catenated centromeric DNA. Evolution from inner centromeres to thin threads takes place in response to tension. Resolution of thin threads requires topoisomerase 2-alpha (TOP2A) after anaphase onset.

References

Baumann C.,et al.Cell 128:101-114(2007).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Xueyuan D.,et al.Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
Wang L.-H.,et al.Chromosoma 117:123-135(2008).
Chan K.-L.,et al.EMBO J. 26:3397-3409(2007).

Images



WB Suggested Anti-ERCC6L Antibody Titration: 0.2-1 µg/ml
Positive Control: THP-1 cell lysate