



Anti-ERCC6L (full length) polyclonal antibody (CABT-BL1391)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Full length Human ERCC6L protein (AAH08808.1, amino acids 1-419)
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Centromere. Kinetochore. 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 numer
Format	Liquid
Size	50 µg
Buffer	1X PBS, pH 7.2
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Plk1-interacting checkpoint helicase (PICH) is an essential component of the spindle assembly checkpoint (Baumann, C., et al. (2007). Cell 128:101–114). This protein is an ATPase family SNF2 member, and serves as a binding partner and substrate for Plk1. When PICH is phosphorylated, it retrieves Plk1 which serves to mediate the localization of PICH. As a DNA helicase, PICH gathers at kinetochores and centromeres during prometaphase, acting as a necessary part of the spindle assembly checkpoint by recruiting MAD2 and mediating chromatin centromeric tension. Depleted PICH results in the cancellation of the spindle checkpoint causing large scale missegregation of the chromosome.

GENE INFORMATION

Entrez Gene ID	54821
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Protein Refseq	NP_060139
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UniProt ID	Q2NKX8
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