abcam

Product datasheet

Anti-RECQL4 antibody ab192375

1 Image

Overview

Product name	Anti-RECQL4 antibody
Description	Rabbit polyclonal to RECQL4
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human RECQL4. Database link: **O94761**
Positive control	HeLa and NIH-3T3 whole cell lysates. Rat brain tissue lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: 50% Glycerol, 49% PBS
Purity	Immunogen affinity purified
Purification notes	Purity is > 95% (by SDS-PAGE).
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab192375 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 133 kDa.

Target

Function DNA-dependent ATPase. May modulate chromosome segregation.

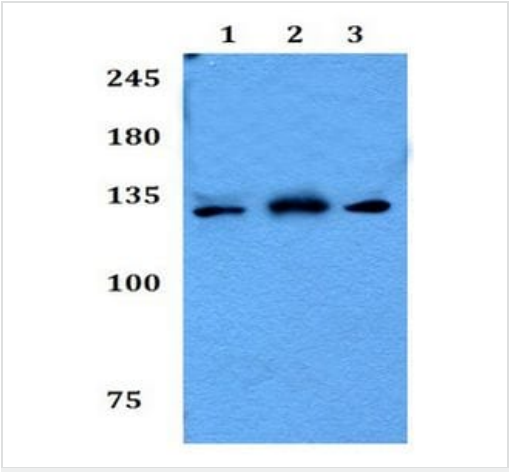
Tissue specificity Ubiquitously expressed, with highest levels in thymus and testis.

Involvement in disease Defects in RECQL4 are a cause of Rothmund-Thomson syndrome (RTS) [MIM:268400]. A disease characterized by dermatological features such as atrophy, pigmentation, and telangiectasia and frequently accompanied by juvenile cataract, saddle nose, congenital bone defects, disturbances of hair growth, and hypogonadism.
Defects in RECQL4 are a cause of RAPADILINO syndrome (RAPADILINOS) [MIM:266280]. A disease characterized by radial and patellar aplasia or hypoplasia.
Defects in RECQL4 are a cause of Baller-Gerold syndrome (BGS) [MIM:218600]; also known as craniosynostosis with radial defects. BGS is an autosomal recessive syndrome characterized by short stature, craniosynostosis, absent or hypoplastic radii, short and curved ulna, fused carpal bones and absent carpals, metacarpals and phalanges. Some patients manifest poikiloderma. Cases reported as Baller-Gerold syndrome have phenotypic overlap with several other disorders, including Saethre-Chotzen syndrome. BGS is part of the clinical spectrum of Rothmund-Thomson and RAPADILINO syndromes.

Sequence similarities Belongs to the helicase family. RecQ subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-RECQL4 antibody (ab192375)

All lanes : Anti-RECQL4 antibody (ab192375) at 1/500 dilution

Lane 1 : HeLa whole cell lysates.

Lane 2 : NIH-3T3 whole cell lysates.

Lane 3 : Rat brain tissue lysates.

Predicted band size: 133 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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