abcam

Product datasheet

Anti-KIF7 antibody ab95884

★★★★☆ **1 Abreviews**   **2 References**   1 Image

Overview

Product name	Anti-KIF7 antibody
Description	Rabbit polyclonal to KIF7
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
	Predicted to work with: Rhesus monkey, Gorilla, Orangutan ⚠
Immunogen	Synthetic peptide corresponding to Human KIF7 aa 1200-1300. Database link: **Q2M1P5**
	📄 **Run BLAST with** 📄 **Run BLAST with**
Positive control	HeLa or 293T cell lysate
General notes	Shelf Life: 1 year from date of receipt

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. The product can be stored for up to 12 months.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee		Our **Abpromise guarantee** covers the use of ab95884 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	★★★★☆ (1)	1/2000 - 1/10000. Predicted molecular weight: 151 kDa.

Target

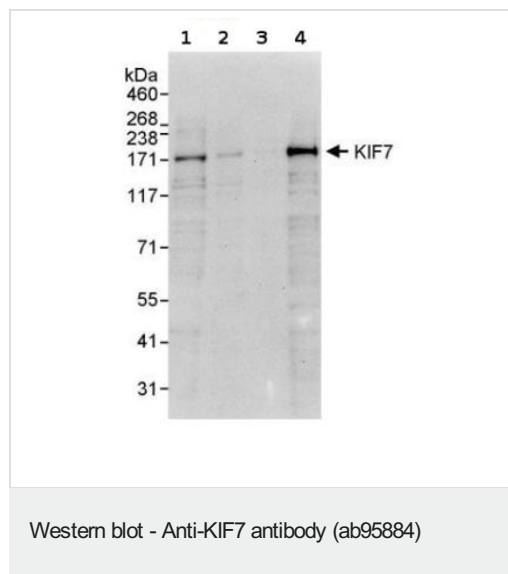|	
Function	Acts as both a negative and positive regulator of sonic hedgehog (Shh) pathway, acting downstream of SMO. Negatively regulates the pathway by preventing inappropriate activation of the transcriptional activator GLI2 in the absence of ligand. Positively regulates the pathway by preventing the processing of the transcription factor GLI3 into its repressor form. Required for efficient localization of GLI3 to cilia in response to Shh. May also act as a ciliary motor.
Tissue specificity	Embryonic stem cells, melanotic melanoma and Jurkat T-cells.
Sequence similarities	Belongs to the kinesin-like protein family. KIF27 subfamily. Contains 1 kinesin-motor domain.
Cellular localization	Cell projection > cilium. SMO is required for its accumulation within cilia. Moves from the cilia base to the cilia tip in response to activation of the Shh pathway.

Images

Western blot - Anti-KIF7 antibody (ab95884)

All lanes : Anti-KIF7 antibody (ab95884) at 0.4 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 151 kDa

Exposure time: 30 seconds

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

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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