

Product datasheet

Anti-KIF5C antibody [EPR16224] ab192883

Recombinant RabMAb

4 Images

Overview

Product name	Anti-KIF5C antibody [EPR16224]
Description	Rabbit monoclonal [EPR16224] to KIF5C
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human KIF5C aa 600-850. The exact sequence is proprietary. Database link: O60282
Positive control	Neuro-2a, Human fetal brain, SH-SY5Y, K562, rat brain, C6 and PC12 cell lysates.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16224
Isotype	IgG

Applications

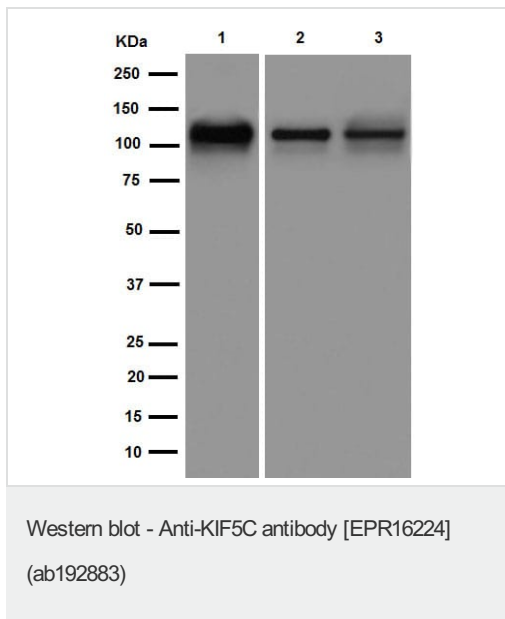
Our [Abpromise guarantee](#) covers the use of **ab192883** in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 109 kDa (predicted molecular weight: 109 kDa).

Target

Function	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport.
Tissue specificity	Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary.
Sequence similarities	Belongs to the kinesin-like protein family. Kinesin subfamily. Contains 1 kinesin-motor domain.
Domain	Composed of three structural domains: a large globular N-terminal domain which is responsible for the motor activity of kinesin (it hydrolyzes ATP and binds microtubule), a central alpha-helical coiled coil domain that mediates the heavy chain dimerization; and a small globular C-terminal domain which interacts with other proteins (such as the kinesin light chains), vesicles and membranous organelles.
Cellular localization	Cytoplasm > cytoskeleton.



All lanes : Anti-KIF5C antibody [EPR16224] (ab192883) at 1/10000 dilution

Lane 1 : Neuro-2a cell lysate

Lane 2 : Human fetal brain lysate

Lane 3 : SH-SY5Y cell lysate

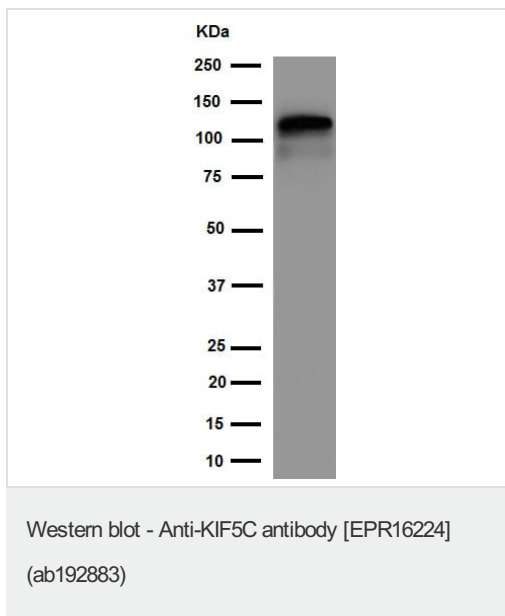
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 109 kDa

Observed band size: 109 kDa



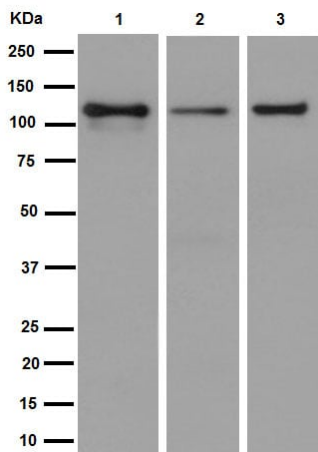
Anti-KIF5C antibody [EPR16224] (ab192883) at 1/1000 dilution + K562 cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 109 kDa

Observed band size: 109 kDa



Western blot - Anti-KIF5C antibody [EPR16224] (ab192883)

All lanes : Anti-KIF5C antibody [EPR16224] (ab192883) at 1/1000 dilution

Lane 1 : Rat brain lysate

Lane 2 : C6 cell lysate

Lane 3 : PC12 cell lysate

Lysates/proteins at 10 µg per lane.





Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 109 kDa

Observed band size: 109 kDa

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-KIF5C antibody [EPR16224] (ab192883)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- 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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