


## Product datasheet

# Anti-KIF3A antibody [EPR5087] - BSA and Azide free ab248566

Recombinant RabMAb

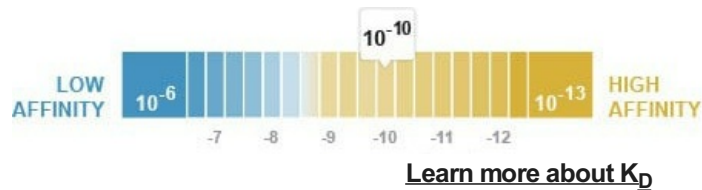
[3 Images](#)

### Overview

<b>Product name</b>	Anti-KIF3A antibody [EPR5087] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR5087] to KIF3A - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab248566 is the carrier-free version of <a href="#">ab133587</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.82 x 10 <sup>-10</sup> M



<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5087
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab248566 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

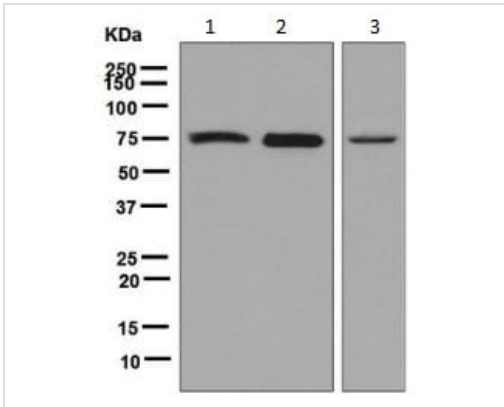
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 80 kDa.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

<b>Function</b>	Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro.
<b>Sequence similarities</b>	Belongs to the kinesin-like protein family. Kinesin II subfamily. Contains 1 kinesin-motor domain.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton.

## Images



Western blot - Anti-KIF3A antibody [EPR5087] - BSA and Azide free (ab248566)

**All lanes** : Anti-KIF3A antibody [EPR5087] ([ab133587](#)) at 1/1000 dilution

**Lane 1** : Fetal brain lysate

**Lane 2** : SH-SY5Y cell lysate

**Lane 3** : 293T cell lysate

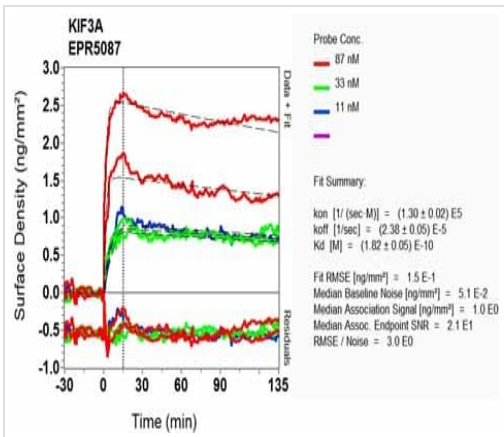
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled Goat anti-Rabbit IgG at 1/2000 dilution

**Predicted band size:** 80 kDa

This data was developed using [ab133587](#), the same antibody clone in a different buffer formulation.



OIR-D Scanning - Anti-KIF3A antibody [EPR5087] - BSA and Azide free (ab248566)

This data was developed using [ab133587](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### 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-KIF3A antibody [EPR5087] - BSA and Azide free (ab248566)

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

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