


## Product datasheet

### Anti-STRAD antibody [EPR15603] $\alpha$ b192879

Recombinant RabMAb

[2 References](#) [6 Images](#)

#### Overview

<b>Product name</b>	Anti-STRAD antibody [EPR15603]
<b>Description</b>	Rabbit monoclonal [EPR15603] to STRAD
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293, HepG2, HeLa and Human fetal brain lysates; Human kidney and rat cardiac muscle tissues; A549 cells.
<b>General notes</b>	<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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15603

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192879 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
Flow Cyt (Intra)		Use at an assay dependent concentration. Purified format.
WB		1/1000 - 1/10000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/400.

## Target

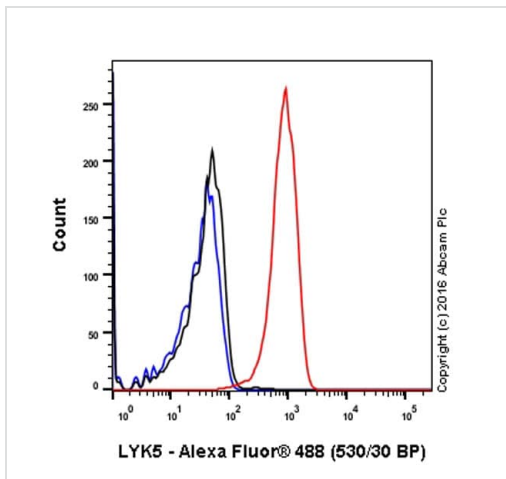
### Relevance

Members of the STE-20 like kinase family are known to stimulate MAPK pathways by directly activating MAPKKK. LYK5 is a novel pseudokinase member of this family consisting of a STE-20 like kinase domain but lacks several residues that are required for its catalytic activity. It specifically binds LKB1 and plays a key role in regulating the tumor suppressor activities of LKB1. It functions as an upstream activator of LKB1 and also directs the sub-cellular localization of LKB1 by anchoring it in the cytoplasm. LYK5-LKB1 interaction results in phosphorylation of LYK5 and enhanced autophosphorylation of LKB1.

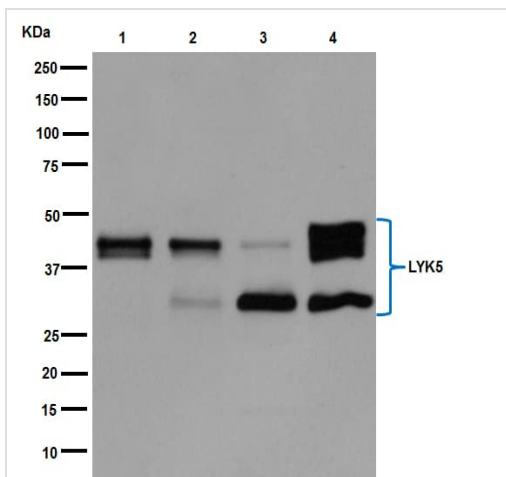
### Cellular localization

Cytoplasmic and Nuclear

## Images



Flow Cytometry (Intracellular) - Anti-STRAD antibody [EPR15603] (ab192879)



Western blot - Anti-STRAD antibody [EPR15603] (ab192879)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labelling STRAD antibody (red) with purified ab192879 at a dilution of 1/200. Goat anti rabbit IgG (Alexa Fluor® 488) was used as the secondary antibody at 1/2000. Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.

**All lanes :** Anti-STRAD antibody [EPR15603] (ab192879) at 1/5000 dilution

**Lane 1 :** 293 cell lysate

**Lane 2 :** HepG2 cell lysate

**Lane 3 :** HepG2 cell lysate

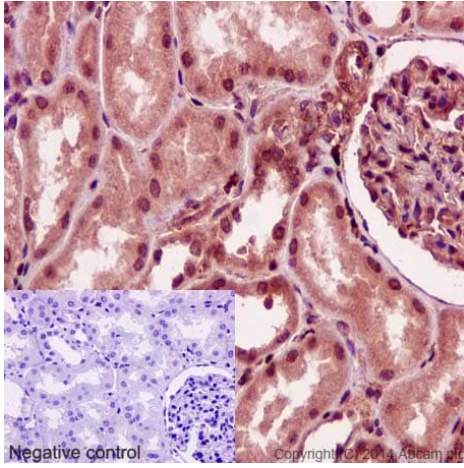
**Lane 4 :** Human fetal brain lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

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

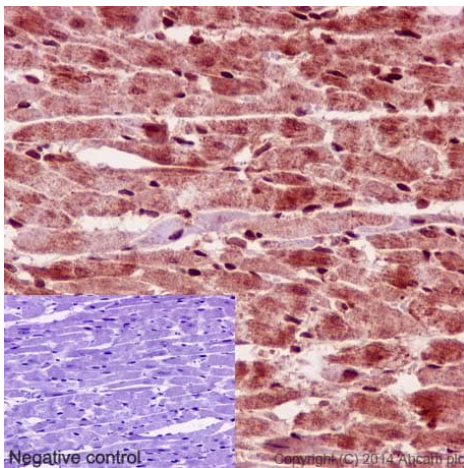
**Predicted band size:** 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STRAD antibody [EPR15603] (ab192879)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling STRAD with ab192879 at a 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG as a secondary antibody. Counter stained with Hematoxylin. Negative control also shown.

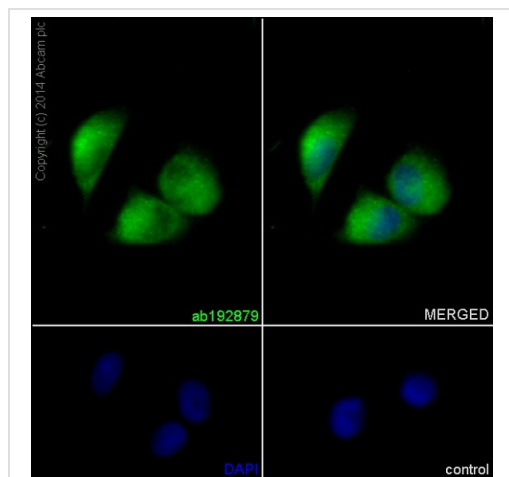
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STRAD antibody [EPR15603] (ab192879)

Immunohistochemical analysis of paraffin-embedded rat cardiac muscle tissue labeling STRAD with ab192879 at a 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG as a secondary antibody. Counter stained with Hematoxylin. Negative control also shown.





Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% triton X-100 permeabilized A549 cells labeling STRAD with ab192879 at a 1/400 dilution, followed by Goat anti rabbit IgG(Alexa Fluor® 488) secondary antibody (**ab150077**) at 1/400 dilution. Nuclear counter stain: Dapi (blue).

Immunocytochemistry/ Immunofluorescence - Anti-STRAD antibody [EPR15603] (ab192879)

Why choose a recombinant antibody?

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

Anti-STRAD antibody [EPR15603] (ab192879)

**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.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors