

## Product datasheet

# Anti-SIK2 antibody [S15G10] $\alpha$ 115567

3 Images

### Overview

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<b>Product name</b>	Anti-SIK2 antibody [S15G10]
<b>Description</b>	Mouse monoclonal [S15G10] to SIK2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human SIK2. (BAA34501.3)
<b>Positive control</b>	IHC-P: Human Pancreas tissue; WB: HeLa; ICC/IF: Nocodazole treated HeLa;
<b>General notes</b>	This product was previously labelled as Snf1lk2, Snf1lk+Snf1lk2+SIK3

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	S15G10
<b>Isotype</b>	IgG1

## Applications

Our [Abpromise guarantee](#) covers the use of **ab115567** in the following tested applications.

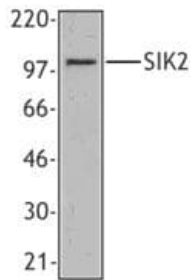
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/250. Predicted molecular weight: 104 kDa.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/400.

## Target

<b>Function</b>	Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. AMPK subfamily. Contains 1 protein kinase domain. Contains 1 UBA domain.
<b>Cellular localization</b>	Cytoplasm.

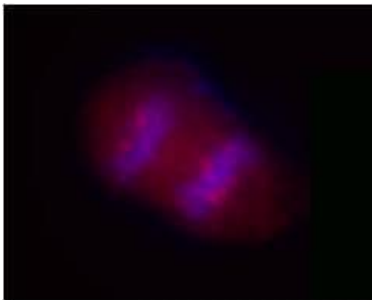
## Images



Western blot - Anti-SIK2 antibody [S15G10]  
(ab115567)

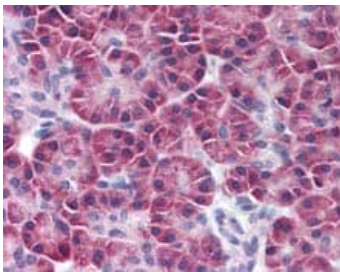
Anti-SIK2 antibody [S15G10] (ab115567) + HeLa cell lysate

**Predicted band size:** 104 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SIK2 antibody [S15G10] (ab115567)

Overnight nocodazole treated HeLa cells stained with purified ab115567, followed by Cy3 conjugated Goat anti-mouse IgG and DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SIK2 antibody [S15G10] (ab115567)

ab115567, at 10µg/ml, staining SIK2 in Formalin-fixed, Paraffin-embedded Human Pancreas tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- 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**

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