



## Product datasheet

### Anti-SYNC antibody [OTI5B8] ab236418

10 Images

#### Overview

<b>Product name</b>	Anti-SYNC antibody [OTI5B8]
<b>Description</b>	Mouse monoclonal [OTI5B8] to SYNC
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human SYNC aa 1 to the C-terminus. Produced in E.coli (NP_110413). Database link: <a href="#">Q9H7C4</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: HEK-293T transfected with pCMV6-ENTRY SYNC cDNA. IHC-P: Human colon adenocarcinoma, kidney, liver, liver carcinoma, pancreas, thyroid carcinoma, endometrium, prostate and prostate carcinoma tissues.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</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: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 50% Glycerol
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from cell culture supernatant.
<b>Clonality</b>	Monoclonal

**Clone number** OTI5B8

**Isotype** IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab236418 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

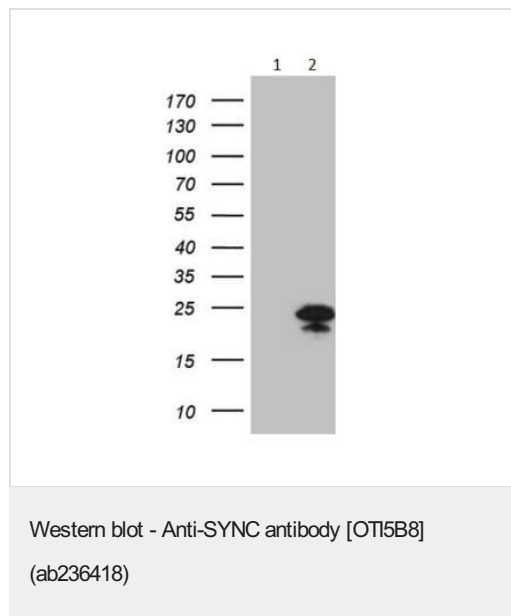
Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 55 kDa.
IHC-P		1/150. Perform heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH 8.5) at 120°C for 3 minutes.

## Target

**Sequence similarities** Belongs to the intermediate filament family.

**Cellular localization** Cytoplasm > perinuclear region. In skeletal muscle, colocalizes with DES and DTNA, and is localized at the myotendinous and neuromuscular junctions, sarcolemma and Z-lines. In myotubes, detected in a punctate cytoplasmic pattern.

## Images



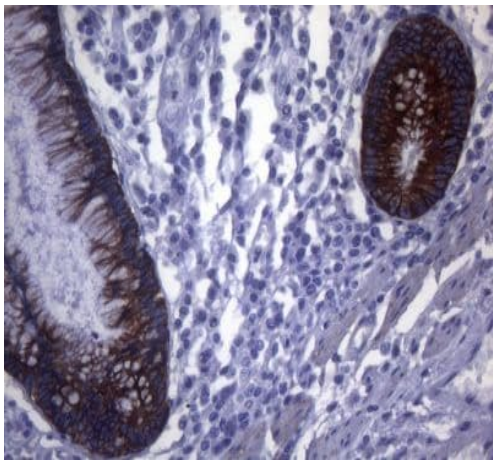
**All lanes :** Anti-SYNC antibody [OTI5B8] (ab236418) at 1/2000 dilution

**Lane 1 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with pCMV6-ENTRY control cDNA

**Lane 2 :** HEK-293T transfected with pCMV6-ENTRY SYNC cDNA

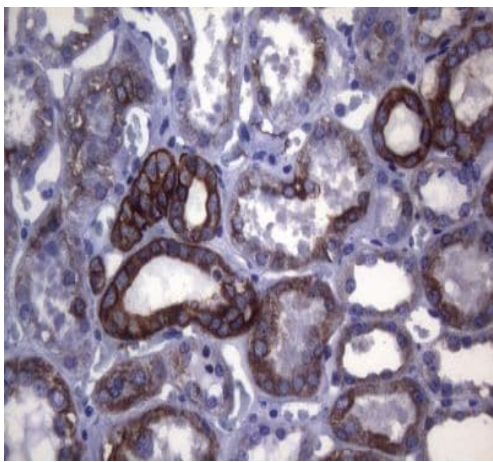
Lysates/proteins at 5 µg per lane.

**Predicted band size:** 55 kDa



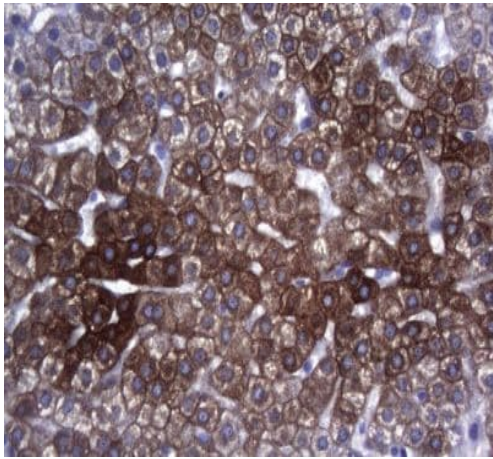
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human colon adenocarcinoma tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



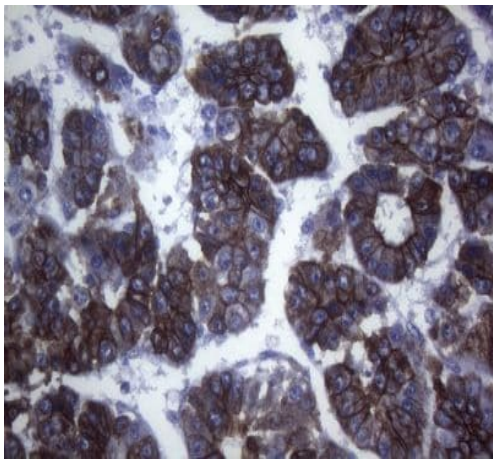
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human kidney tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



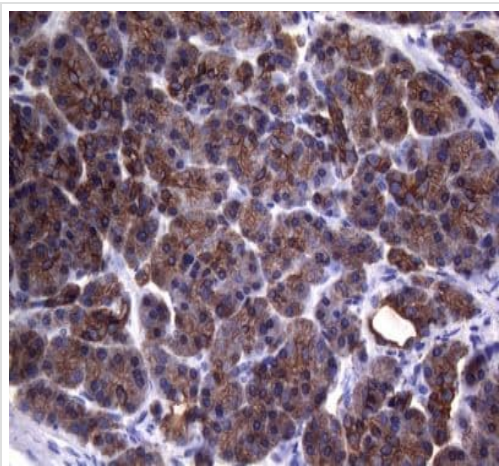
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human liver tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



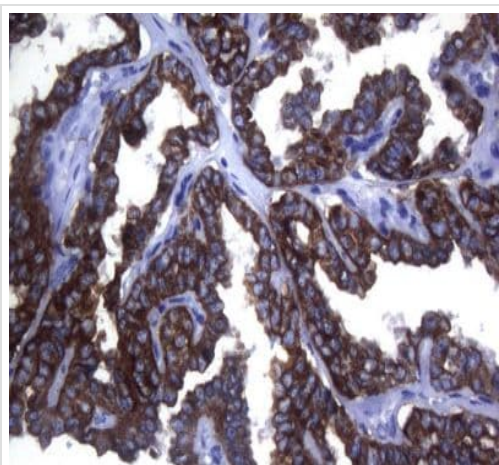
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human liver carcinoma tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



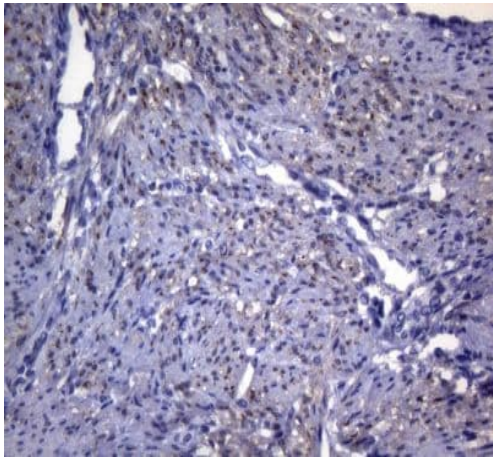
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human pancreas tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



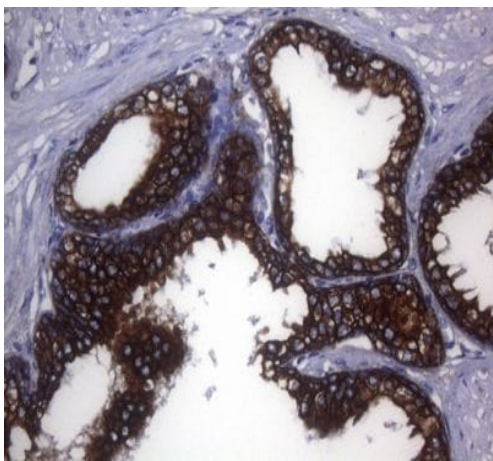
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human thyroid carcinoma tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.



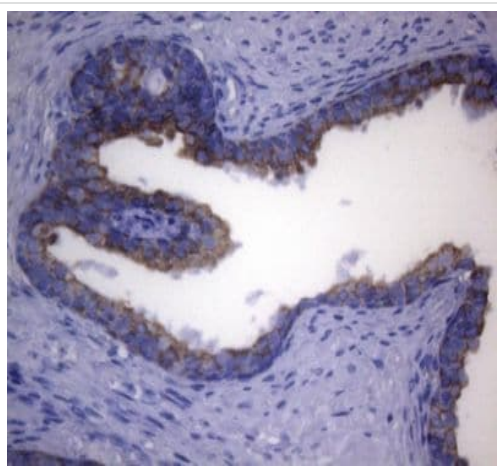
Paraffin-embedded human endometrium tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)



Paraffin-embedded human prostate tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYNC antibody [OTI5B8] (ab236418)

Paraffin-embedded human prostate carcinoma tissue stained for SYNC using ab236418 at 1/150 dilution in immunohistochemical analysis.

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

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