




## Product datasheet

# Anti-NT5C1A antibody ab190214

3 Images

### Overview

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<b>Product name</b>	Anti-NT5C1A antibody
<b>Description</b>	Rabbit polyclonal to NT5C1A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide within Human NT5C1A aa 150-250 (internal sequence). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. NP_115915.1 Database link: <a href="#">Q9BXI3</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human skeletal muscle tissue; A549 cells; HepG2 and MCF7 cell lysates.
<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

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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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine)  PBS is without Mg <sup>2+</sup> and Ca <sup>2+</sup> .

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

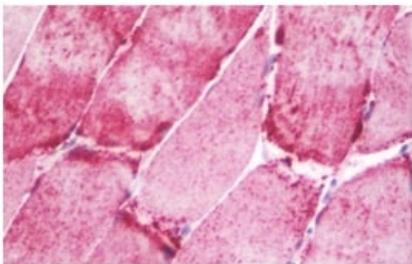
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab190214 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/500.
WB		1/500 - 1/1000. Predicted molecular weight: 41 kDa.
IHC-P		Use a concentration of 10 µg/ml.

## Target

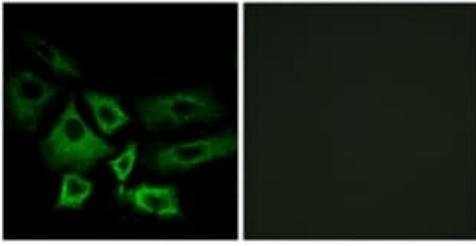
<b>Function</b>	Dephosphorylates the 5' and 2'(3')-phosphates of deoxyribonucleotides and has a broad substrate specificity. Helps to regulate adenosine levels in heart during ischemia and hypoxia.
<b>Tissue specificity</b>	Highly expressed in skeletal muscle. Detected at intermediate levels in heart, brain, kidney and pancreas.
<b>Sequence similarities</b>	Belongs to the 5'-nucleotidase type 3 family.
<b>Cellular localization</b>	Cytoplasm.

## Images



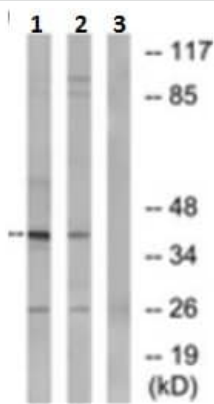
Immunohistochemical analysis of formalin fixed, paraffin embedded Human skeletal muscle tissue labeling NT5C1A using ab190214 at 10 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NT5C1A antibody (ab190214)



Immunocytochemistry/ Immunofluorescence - Anti-NT5C1A antibody (ab190214)

Immunofluorescent analysis of A549 cells labeling NT5C1A using ab190214 at 1/100 dilution. The image on the right is treated with the synthesized peptide.



Western blot - Anti-NT5C1A antibody (ab190214)

**All lanes :** Anti-NT5C1A antibody (ab190214) at 1/500 dilution

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** HepG2 cell lysate

**Lane 3 :** MCF7 cell lysate treated with the synthesized peptide

**Predicted band size:** 41 kDa

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

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