



## Product datasheet

# Anti-Uridine Phosphorylase 1 antibody ab185680

★☆☆☆☆ [1 Abreviews](#) [1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Uridine Phosphorylase 1 antibody
<b>Description</b>	Rabbit polyclonal to Uridine Phosphorylase 1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Uridine Phosphorylase 1 aa 1-100 (N terminal). Database link: <a href="#">Q16831</a>
	<div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	IHC-P: Human esophagus tissue. ICC/IF: U-2 OS cells.
<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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<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 ab185680 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
IHC-P	★☆☆☆☆ (1)	1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.

## Target

### Function

Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis.

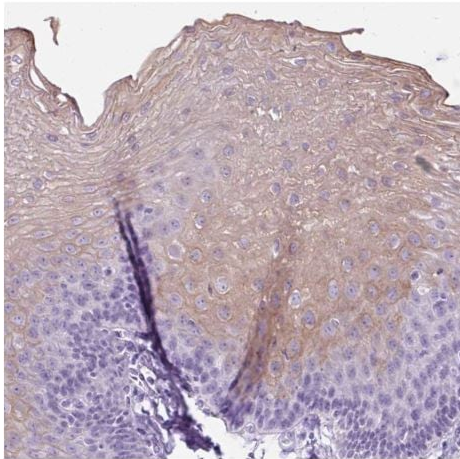
### Pathway

Pyrimidine metabolism; UMP biosynthesis via salvage pathway; uracil from uridine (phosphorylase route): step 1/1.

### Sequence similarities

Belongs to the PNP/UDP phosphorylase family.

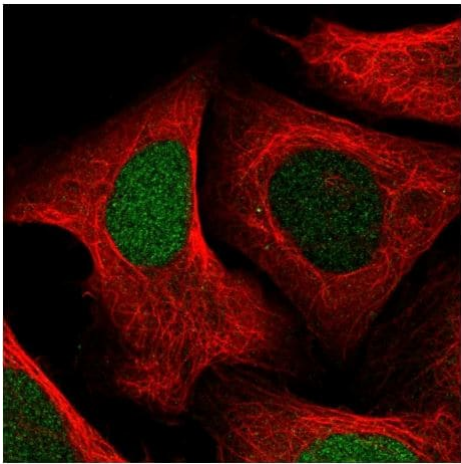
## Images



Paraffin embedded human esophagus tissue stained for Uridine Phosphorylase 1 using ab185680 at 1/200 dilution in immunohistochemical analysis.

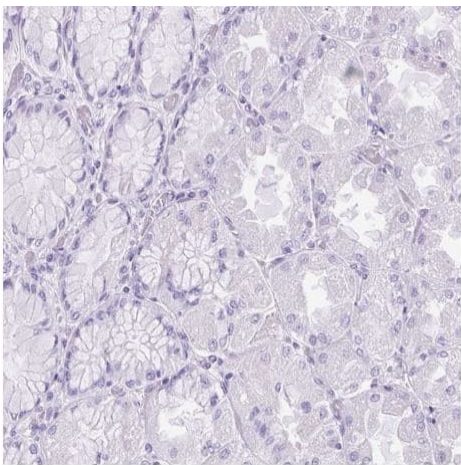
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uridine Phosphorylase 1 antibody (ab185680)



U-2 OS cells stained for Uridine Phosphorylase 1 (green) using ab185680 at 2 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-Uridine Phosphorylase 1 antibody (ab185680)



Paraffin embedded human stomach tissue stained for Uridine Phosphorylase 1 using ab185680 at 1/200 dilution in immunohistochemical analysis. Shows low expression as expected.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uridine Phosphorylase 1 antibody (ab185680)

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

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