


Anti-UAP1 antibody ab95949

[2 References](#) [3 Images](#)

Overview

Product name	Anti-UAP1 antibody
Description	Rabbit polyclonal to UAP1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow, Zebrafish 
Immunogen	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 53-473 of UAP1 isoform AGX1 (Human)
Positive control	H1299 lysate, A549 cells (IF), and ES-2 xenograft (IHC)
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab95949 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		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
IHC-P		1/100 - 1/500.
ICC/IF		1/100 - 1/200.

Target

Function

Converts UDP and GlcNAc-1-P into UDP-GlcNAc, and UDP and GalNAc-1-P into UDP-GalNAc. Isoform AGX1 has 2 to 3 times higher activity towards GalNAc-1-P, while isoform AGX2 has 8 times more activity towards GlcNAc-1-P.

Tissue specificity

Widely expressed. Isoform AGX1 is more abundant in testis than isoform AGX2, while isoform AGX2 is more abundant than isoform AGX1 in somatic tissue. Expressed at low level in placenta, muscle and liver.

Pathway

Nucleotide-sugar biosynthesis; UDP-N-acetyl-alpha-D-glucosamine biosynthesis; UDP-N-acetyl-alpha-D-glucosamine from N-acetyl-alpha-D-glucosamine 1-phosphate: step 1/1.

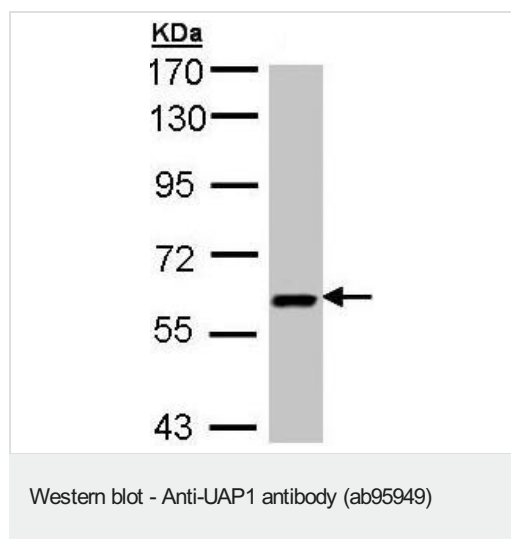
Sequence similarities

Belongs to the UDPGP type 1 family.

Cellular localization

Cytoplasm. In spermatozoa, localized to the principal piece of the tail, the neck region of the head and to a lesser extent, the midpiece of the tail.

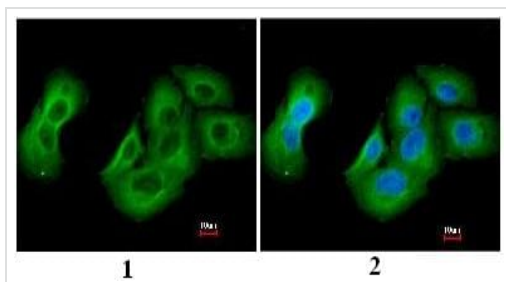
Images



Anti-UAP1 antibody (ab95949) at 1/3000 dilution + H1299 whole cell lysate at 30 µg

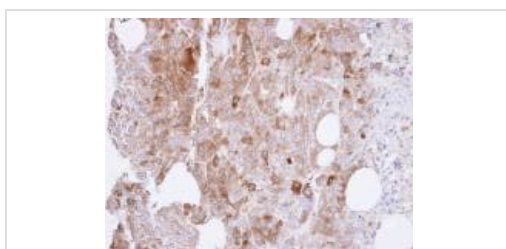
Predicted band size: 57 kDa

gel concentration: 7.5%



Immunofluorescence analysis of paraformaldehyde fixed A549 cells using ab95949: (1) at 1/200 dilution, (2) merged with DNA probe.

Immunocytochemistry/ Immunofluorescence - Anti-UAP1 antibody (ab95949)



Immunohistochemical analysis of paraffin embedded ES 2 xenograft using ab95949 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UAP1 antibody (ab95949)

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

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