

Datasheet for ABIN2855661

anti-UAP1 antibody



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4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	UAP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human UAP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to UAP1 (UDP-N-acetylglucosamine pyrophosphorylase 1) UAP1 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	UAP1
Alternative Name:	UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1 Products)

Target Details

Background: 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.

Cellular Localization: Cytoplasm

Molecular Weight: 59 kDa

Gene ID: 6675

UniProt: [Q16222](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: H1299

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

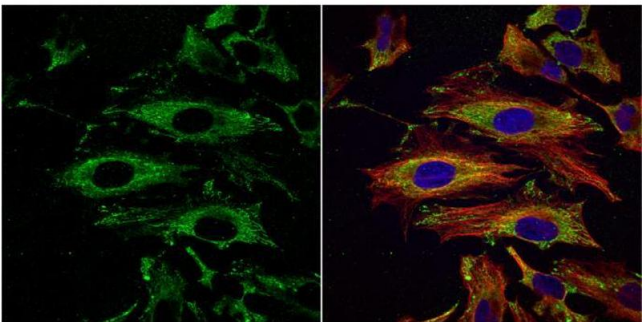
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Glaeser, Urban, Fenech, Voloshanenko, Kranz, Lari, Christianson, Boutros: "ERAD-dependent control of the Wnt secretory factor Evi." in: **The EMBO journal**, Vol. 37, Issue 4, (2018) ([PubMed](#)).

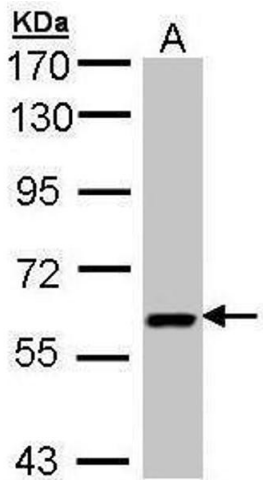
Jain, Noordam, Hoshi, Vallania, Conrad: "Validating single-cell genomics for the study of renal development." in: **Kidney international**, Vol. 86, Issue 5, pp. 1049-55, (2015) ([PubMed](#)).

Images



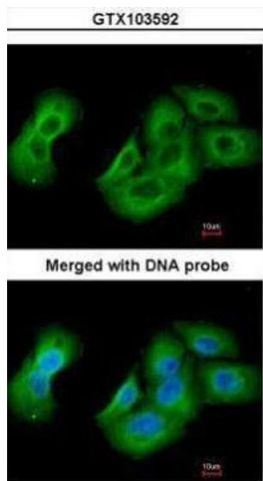
Immunofluorescence

Image 1. ICC/IF Image UAP1 antibody [N1C3] detects UAP1 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: UAP1 protein stained by UAP1 antibody [N1C3] , diluted at 1:200. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] , diluted at 1:10000. Blue: Hoechst 33342 staining.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: H1299 7.5% SDS PAGE antibody diluted at 1:3000



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A549, using UAP1, antibody at 1:200 dilution.

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855661.