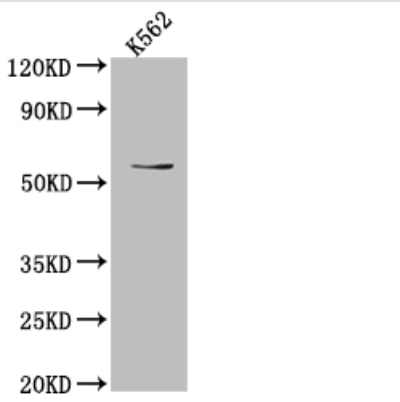
UAP1 Antibody

Product Code	CSB-RA174034A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16222
Immunogen	A synthesized peptide derived from human UAP1
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Converts UTP and GlcNAc-1-P into UDP-GlcNAc, and UTP 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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Metabolism; Signal transduction
Gene Names	UAP1
Accession NO.	1F2

Image



Western Blot
Positive WB detected in: K562 whole cell lysate
All lanes: UAP1 antibody at 1:1000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 59, 58, 59 kDa
Observed band size: 59 kDa

Description

UAP1 catalyzes the last step in the eukaryotic biosynthesis of uridine diphosphate-N-acetylglucosamine (UDP-GlcNAc), converting UTP and GlcNAc-1P to the sugar nucleotide. Previous studies showed that the abnormal

expression of UAP1 was closely related to the biological processes of cancer cells. UAP1 is highly overexpressed in prostate cancer cells and protects cancer cells from endoplasmic reticulum stress to promote their development.

The production of this recombinant UAP1 antibody started with identifying and cloning the genes for antibody expression. After the UAP1 antibody was cloned into an expression plasmid, the plasmid could be introduced into the mammalian cell to produce the target recombinant antibody. This recombinant UAP1 antibody has been validated in ELISA, WB.