

Rabbit UAP1 Polyclonal Antibody | anti-UAP1 antibody

UAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326602	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UAP1; Polyclonal Antibody; UAP1 Antibody; AGX 1; AGX; AGX-1; AGX-2; AGX1; Antigen X; AntigenX; SPAG 2; SPAG2; Sperm associated antigen 2; Sperm-associated antigen 2; UAP 1; uap1; UAP1_HUMAN; UDP N acetylhexosamine pyrophosphorylase; UDP N acetylglucosamine pyrophosphorylase 1; UDP-N-acetylglucosamine pyrophosphorylase; anti-UAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	UAP1 antibody detects endogenous levels of total UAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	505
Applicable Applications for anti-UAP1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human UAP1
Subcellular Location	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.
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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of A549 whole cell lysates, using UAP1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326602 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-UAP1 antibody	Description: UAP1 belongs to the DPGP type 1 family. It 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 (1). Function: 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. Subunit Structure: Monomer and homodimer. Isoform AGX1 is a homodimer. Isoform AGX2 is a monomer. Similarity: Belongs to the UDPGP type 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1022943292
NCBI GeneID	6675
NCBI Accession #	NP_001311042.1
NCBI GenBank Nucleotide #	NM_001324113.1
UniProt Accession #	Q16222; Q5VTA9; Q5VTB0; Q5VTB1; Q96GM2; B2R6R8
Molecular Weight	Observed: 57 kDa Predicted: 59 kDa
NCBI Official Full Name	UDP-N-acetylhexosamine pyrophosphorylase isoform a
NCBI Official Synonym Full Names	UDP-N-acetylglucosamine pyrophosphorylase 1
NCBI Official Symbol	UAP1
NCBI Official Synonym Symbols	AGX; AGX1; AGX2; SPAG2
NCBI Protein Information	UDP-N-acetylhexosamine pyrophosphorylase
UniProt Protein Name	UDP-N-acetylhexosamine pyrophosphorylase
UniProt Gene Name	UAP1
UniProt Synonym Gene Names	SPAG2; AGX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/uap1-antibody-immunohistochemistry-western-blot-elisa/326602>