

Mouse ATPG Monoclonal Antibody | anti-ATPG antibody

ATPG Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330092	Mouse	Human, Mouse, Rat Prediction: Bovine, Xenopus	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ATPG; Monoclonal Antibody; ATPG Mouse Monoclonal Antibody; ATP synthase gamma chain; mitochondrial; ATP synthase subunit gamma; ATP synthase; H+ transporting; mitochondrial F1 complex; gamma polypeptide 1; gamma subunit; ATP5C 1; ATP5C; ATP5C1; ATP5CL1; ATPG_HUMAN; F ATPase gamma subunit; F-ATPase gamma subunit; Mitochondrial ATP synthase; gamma subunit 1; anti-ATPG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat Prediction: Bovine, Xenopus
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	ATPG Antibody detects endogenous levels of total ATPG.
Purity/Purification	Affinity-chromatography.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence	MFSRAGVAGL SAWTLQPQWI QVRNMATLKD ITRRLKSIKN IQKITKSMKM VAAAKYARAE RELKPARIYG LGSLALYEKA DIKGPEDKKK HLLIGVSSDR GLCGAIHSSI AKQMKSEVAT LTAAGKEVML VGIGDKIRGI LYRTHSDQFL VAFKEVGRKP PTFGDASVIA LELLNSGYEF DEGSIIFNKF RSVISYKTEE KPIFSLNTVA SADSMSIYDD IDADVLQNYQ EYNLANIIYY SLKESTTSEQ SARMTAMDNA SKNASEMIDK LTLTFNRTRQ AVITKELIEI ISGAAALD
Applicable Applications for anti-ATPG antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ATP5C1(Accession P36542), corresponding to amino acid residues H145-V168.
Conjugation	Unconjugated
Expression	Isoform Heart is expressed specifically in the heart and skeletal muscle, which require rapid energy supply. Isoform Liver is expressed in the brain, liver and kidney. Isoform Heart and Isoform Liver are expressed in the skin, intestine, stomach and aorta.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



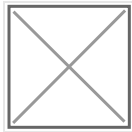
IF (Immunofluorescence)

AAA330092 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(#AAA330092) and rabbit anti-beta tubulin Ab for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-mouse IgG Ab(Red) and an AlexaFluor488 conjugated goat anti-rabbit IgG Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



IHC (Immunohistochemistry)

AAA330092 at 1/100 staining rat heart 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA330092 at 1/100 staining mouse heart 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using ATPG Mouse Monoclonal Antibody(1:10k, 10s exp). Lane 1: rat heart tissue treated with blocking-peptides, Lane 2: rat heart tissue, Lane 3: mouse heart tissue.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ATPG antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	509
UniProt Accession #	P36542
Molecular Weight	33 kD; 33kD(Calculated)

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/monoclonal/atpg-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/330092>