ARG43600
anti-ATP8 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ATP8
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATP8
Species	Human
Immunogen	Recombinant protein corresponding to a sequence of human ATP8.
Conjugation	Un-conjugated
Alternate Names	ATPase8; MTATP8; ATP8TP synthase protein 8; A6L; F-ATPase subunit 8; MT-ATP8; ATP8; ATPASE8; mitochondrially encoded ATP synthase 8

Application Instructions

Predict Reactivity Note	Mouse, Rat

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:50 - 1:100

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa, JurKat
Observed Size	~ 9 kDa

Properties

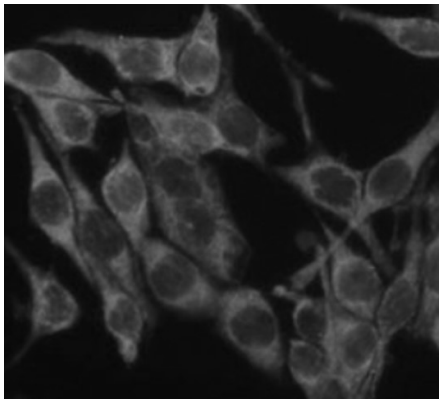
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

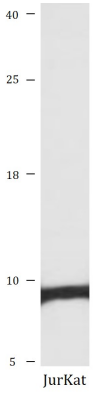
Gene Symbol	MT-ATP8
Gene Full Name	mitochondrially encoded ATP synthase 8
Function	Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain. Minor subunit located with subunit a in the membrane (By similarity). [UniProt]
Calculated Mw	7.9 kDa
PTM	Acetylation
Cellular Localization	CF(0), Membrane, Mitochondrion

Images



ARG43600 anti-ATP8 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG43600 anti-ATP8 antibody at 1:100 dilution.



ARG43600 anti-ATP8 antibody WB image

Western blot: JurKat cell lysate stained with ARG43600 anti-ATP8 antibody at 1:1000 dilution.