



# Anti-ATPIF1 monoclonal antibody, clone 6F3E8 (DCABH-274)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to ATPase Inhibitory Factor 1
<b>Antigen Description</b>	Endogenous F(1)F(o)-ATPase inhibitor limiting ATP depletion when the mitochondrial membrane potential falls below a threshold and the F(1)F(o)-ATP synthase starts hydrolyzing ATP to pump protons out of the mitochondrial matrix.
<b>Immunogen</b>	Recombinant IF1.
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Cow, Human
<b>Clone</b>	6F3E8
<b>Purification</b>	The purity of This antibody is near homogeneity, as judged by SDS-PAGE. This antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, Flow Cyt, WB, ELISA
<b>Positive Control</b>	Isolated mitochondria from Human heart, Bovine heart, Rat heart and Mouse heart IF/ICC: HepG2 cell line.
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	Preservative: 0.02% Sodium azide; Constituent: HBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at +4°C. Do not freeze.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Atpif1 ATPase inhibitory factor 1 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	ATPIF1
<b>Synonyms</b>	ATPIF1; ATPase inhibitory factor 1; ATPase inhibitor, mitochondrial; IF1; IF(1); inhibitor of F(1)F(o)-ATPase; ATPase inhibitor (rat mitochondrial IF1 protein); Atpi; IF1PA;
<b>Entrez Gene ID</b>	<a href="#">25392</a>
<b>Protein Refseq</b>	<a href="#">NP_037047</a>
<b>UniProt ID</b>	<a href="#">Q03344</a>
<b>Pathway</b>	Electron Transport Chain, organism-specific biosystem;
<b>Function</b>	ATPase binding; ATPase binding; ATPase inhibitor activity; ATPase inhibitor activity; ATPase inhibitor activity; angiotatin binding; angiotatin binding; calmodulin binding; protein homodimerization activity;