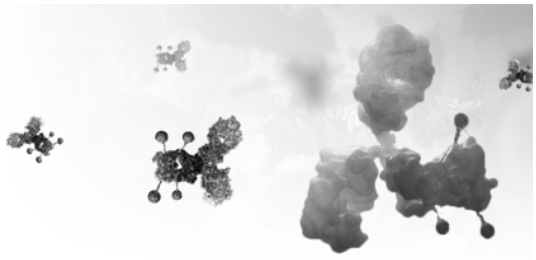

Anti-ATP5H monoclonal antibody, clone 8G0CH2 (DCABH-273)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to ATP5H
Antigen Description	Mitochondrial membrane ATP synthase (F(1)F(0) 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, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha(3)beta(3) subcomplex and subunit a/ATP6 static relative to the rotary elements.
Immunogen	Bovine Complex V
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Cow, Human, African green monkey
Clone	8G0CH2
Purification	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.
Conjugate	Unconjugated
Applications	WB, ICC/IF, Flow Cyt
Positive Control	Isolated mitochondria from Human heart, Bovine heart, Rat heart, Mouse heart, and HepG2,

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	Cultured Human embryonic lung-derived fibroblasts (strain MRC5), HeLa cells
Format	Liquid
Size	100 µg
Buffer	Preservative: 0.02% Sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at +4°C. Do not freeze.

GENE INFORMATION

Gene Name	ATP5H ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d [Bos taurus]
Official Symbol	ATP5H
Synonyms	ATP5H; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d; ATP synthase subunit d, mitochondrial; ATPase subunit d; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d; MGC128531;
Entrez Gene ID	282710
Protein Refseq	NP_777149
UniProt ID	P13620
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem.
Function	hydrogen ion transmembrane transporter activity;

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