ATP6 Recombinant antibody, PBS Only

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Catalog Number:83201-3-PBS

Basic Information

Catalog Number: 83201-3-PBS	**GenBank Accession Number:** J01415	**Purification Method:** Protein A purfication
Size: 1 mg/ml	**GeneID (NCBI):** 4508	**CloneNo.:** 240041B6
Source: Rabbit	**UNIPROT ID:** P00846	
Isotype: IgG	**Full Name:** ATP synthase 6; ATPase subunit 6	
	Calculated MW: 25 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

ATP synthase, also known as FoF1 complex, is a critical mitochondrial OXPHOS enzyme involved in the regulation of mitochondrial ATP production and in the maintenance of the mitochondrial membrane potential. It is composed of three components (F1, Fo and the peripheral stalk). F1, the soluble catalytic core, is above the membrane, inside the matrix of the mitochondria; consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon); Fo, comprising the proton channel, is within the membrane; Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). ATP6 is the a subunit of Fo region.
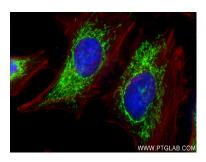
Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
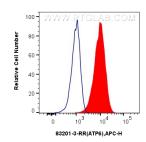**Storage Buffer:**
PBS Only

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ATP6 antibody (83201-3-RR, Clone: 240041B6) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83201-3-PBS in a different storage buffer formulation.

1x10^6 U2OS cells were intracellularly stained with 0.25 ug ATP6 Recombinant antibody (83201-3-RR, Clone:240041B6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83201-3-PBS in a different storage buffer formulation.