

Datasheet for ABIN2428909

anti-ATPase Inhibitory Factor 1 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	ATPase Inhibitory Factor 1 (ATPIF1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATPase Inhibitory Factor 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human ATPIF1
Isotype:	IgG
Purification:	Antigen affinity purification

Target Details

Target:	ATPase Inhibitory Factor 1 (ATPIF1)
Alternative Name:	ATPIF1 (ATPIF1 Products)
Background:	<p>ATPase inhibitor, mitochondrial is an enzyme that in humans is encoded by the ATPIF1 gene. This gene encodes a mitochondrial ATPase inhibitor. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. It prevents ATPase from switching to ATP hydrolysis during collapse of the electrochemical gradient, for example during oxygen deprivation ATP synthase inhibitor forms a one to one complex with the</p>

Target Details

F1 ATPase, possibly by binding at the alpha-beta interface. It is thought to inhibit ATP synthesis by preventing the release of ATP. The inhibitor has two oligomeric states, dimer (the active state) and tetramer.

Synonyms: IP, ATPi, ATPiP

Molecular Weight: Calculated MW: 12 kDa

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

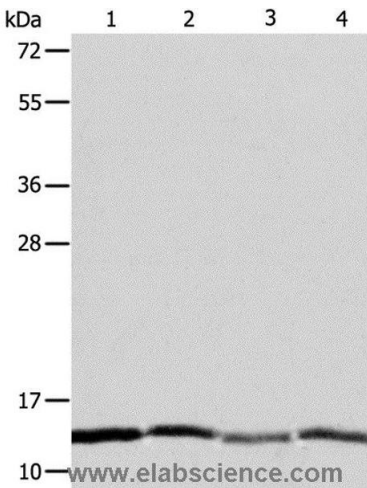
Format: Liquid

Handling Advice: Avoid freeze / thaw cycles.

Storage: -20 °C/-80 °C

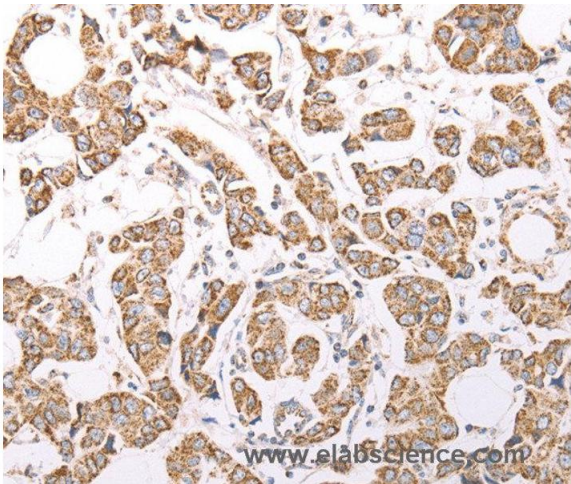
Storage Comment: Store at -20°C (regular) and -80°C (long term).

Images



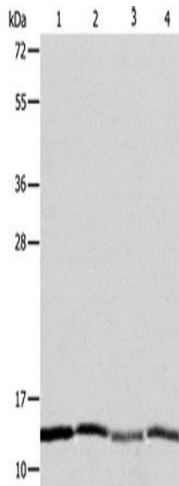
Western Blotting

Image 1. Western blot analysis of Hela, Jurkat, MCF7 and A431 cell, using ATPiF1 Polyclonal Antibody at dilution of 1:1350



Immunohistochemistry

Image 2. Immunohistochemistry of Human breast cancer using ATPIF1 Polyclonal Antibody at dilution of 1:60



Western Blotting

Image 3.