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anti-ATPase Inhibitory Factor 1 antibody

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Quantity:	200 μL
Target:	ATPase Inhibitory Factor 1 (ATPIF1)
Reactivity:	Human
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
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ATPase Inhibitory Factor 1 (ATPIF1)
Alternative Name:	ATPIF1 (ATPIF1 Products)
Background:	ATPase inhibitor, mitochondrialis anenzymethat 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

Target Details

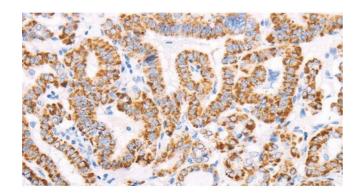
	during oxygen deprivation ATP synthase inhibitor forms a one to one complex with the F1
	ATPase, possibly by binding at the alpha-beta interface. It is thought to inhibit ATP synthesis by
	preventing the release of ATP. The inhibitor has two oligomeric states, dimer (the active state)
	and tetramer.
Molecular Weight:	12 kDa
UniProt:	Q9UII2

Application Details

Application Notes:	WB 1:1000-1:5000, IHC 1:50-1:200
Restrictions:	For Research Use only

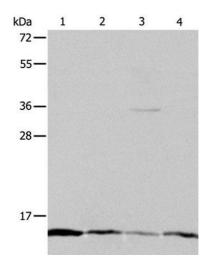
Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



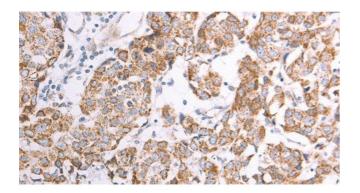
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human thyroid cancer using ATPIF1 Polyclonal Antibody at dilution of 1:50



Western Blotting

Image 2. Western Blot analysis of Hela, Jurkat, MCF7 and A431 cell using ATPIF1 Polyclonal Antibody at dilution of 1:1200



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human breast cancer using ATPIF1 Polyclonal Antibody at dilution of 1:50