

ATPIF1 Polyclonal Antibody

Catalog Number:E-AB-10676

Note: Centrifuge before opening to ensure complete recovery of vial contents.

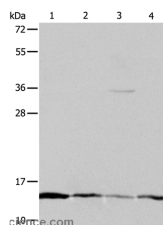
Description

Reactivity	Human
Immunogen	Recombinant protein of human ATPIF1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications Recommended Dilution

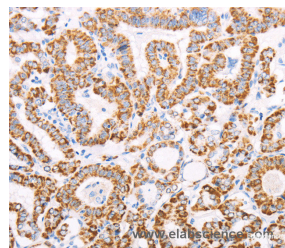
WB	1:1000-1:5000
IHC	1:50-1:200

Data

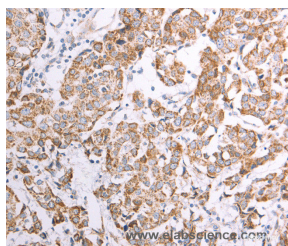


Western Blot analysis of HeLa, Jurkat, MCF7 and A431 cell using ATPIF1 Polyclonal Antibody at dilution of 1:1200

Calculated Mw:12kDa



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



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

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

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

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electrochemical gradient, for example 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.

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