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Product datasheet for TA308850

ATP5F1D Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 168 of ATP synthase delta (Uniprot ID#P30049)
Formulation:	1XPBS, 1% BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	17 kDa
Gene Name:	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
Database Link:	NP_001001975 Entrez Gene 66043 MouseEntrez Gene 513 Human P30049

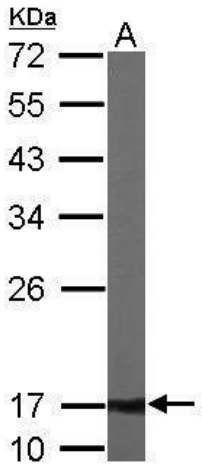
View online »

Background: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq]

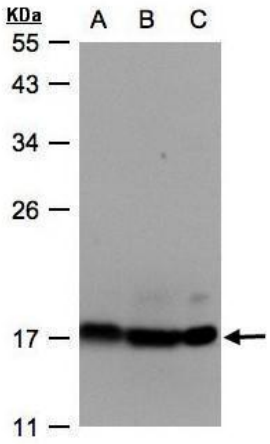
Synonyms: ATP synthase; delta subunit; H+ transporting; mitochondrial ATP synthase; mitochondrial ATP synthase complex delta-subunit precusor; mitochondrial F1 complex

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

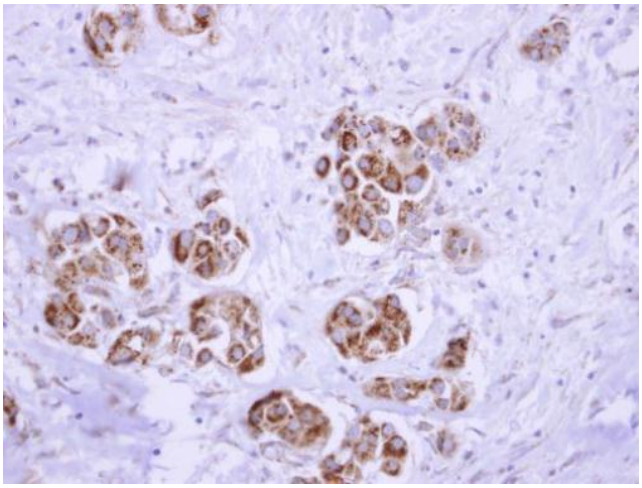
Product images:



Sample (50 ug of whole cell lysate). A: Mouse brain. 12% SDS PAGE. TA308850 diluted at 1:1000.



Sample (30 ug whole cell lysate). A:Hep G2. B:MOLT4. C:Raji. 12% SDS PAGE. TA308850 diluted at 1:500



ATP synthase delta antibody detects ATP5D protein at mitochondria on breast carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded breast carcinoma. ATP synthase delta antibody (TA308850) dilution: 1:250.