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Anti-ADCK2 Antibody

Catalog # AP53788

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q7Z695
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68982

Additional Information

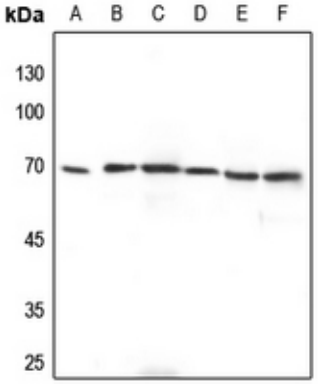
Gene ID	90956
Other Names	AARF; Uncharacterized aarF domain-containing protein kinase 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ADCK2. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

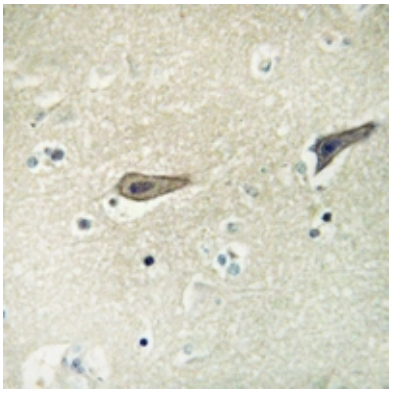
Name	ADCK2
Synonyms	AARF
Function	The function of this protein is not yet clear. It is not known if it has protein kinase activity and what type of substrate it would phosphorylate (Ser, Thr or Tyr) (Probable). Involved in the mitochondrial import of CoQ precursors, plays a role in muscle mitochondrial function and fatty acid beta-oxidation (PubMed:31480808).
Cellular Location	Mitochondrion. Membrane; Single-pass membrane protein

Images

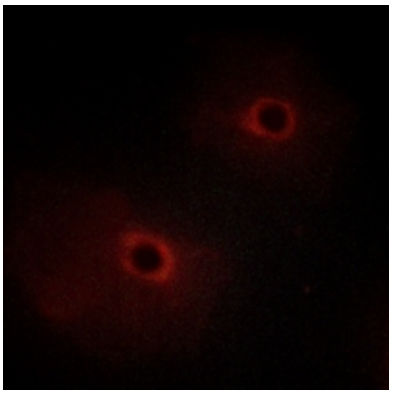
Western blot analysis of ADCK2 expression in HEK293T



(A), Hela (B), HGC27 (C), mouse kidney (D), mouse testis (E), rat testis (F) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 69 kD)



Immunohistochemical analysis of ADCK2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ADCK2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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