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IHC*easy* AK2 Ready-To-Use IHC Kit

Catalog Number: KHC0395

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

Background

AK2(Adenylate kinase 2, mitochondrial) is also named as ADK2 and belongs to the adenylate kinase family. It plays a unique role in energy metabolism and energy transfer by regulating the ATP/ADP rate between the cytoplasma matrix and the mitochondria and it is increased expression during adipocyte and B cell differentiation. AK2 catalyzes the reversible transfer of a phosphoryl group from ATP to AMP. Defects in AK2 are the cause of reticular dysgenesis (RDYS).
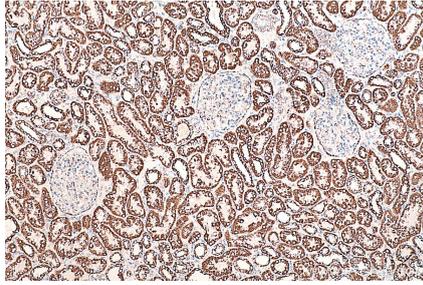
Synonyms

adenylate kinase 2, ADK2, AK 2, AK2, ATP AMP transphosphorylase 2
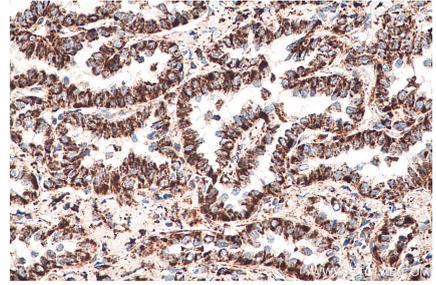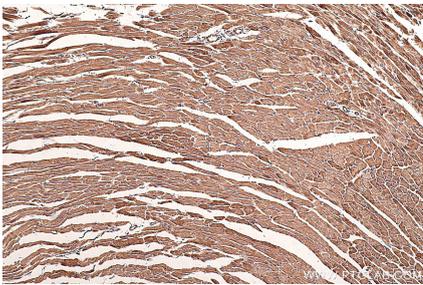
Selected Validation Data
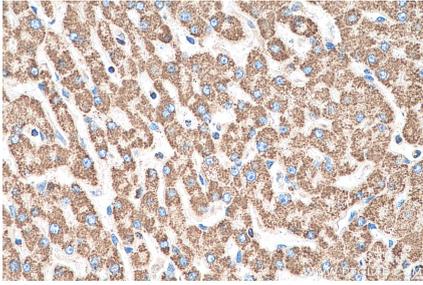
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC0395 (AK2 IHC Kit).
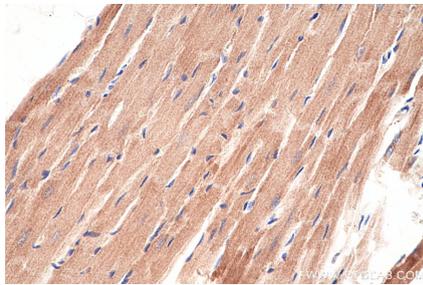

Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0395 (AK2 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0395 (AK2 IHC Kit).

Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0395 (AK2 IHC Kit).

Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC0395 (AK2 IHC Kit).