IHC*easy*® ATG2A Ready-To-Use IHC Kit

Catalog Number: KHC3259

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

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

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.
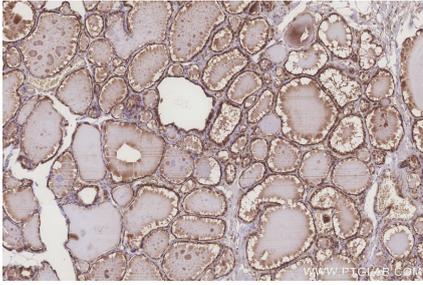
Background

Autophagy-related protein 2 homolog A (ATG2A) belongs to the ATG2 family. ATG2A is a lipid transfer protein involved in autophagosome assembly. ATG2A tethers the edge of the isolation membrane (IM) to the endoplasmic reticulum (ER) and mediates direct lipid transfer from ER to IM for IM expansion. ATG2A binds to the ER exit site (ERES), which is the membrane source for autophagosome formation, and extracts phospholipids from the membrane source and transfers them to ATG9 (ATG9A or ATG9B) to the IM for membrane expansion. ATG2A also regulates lipid droplet morphology and distribution within the cell.
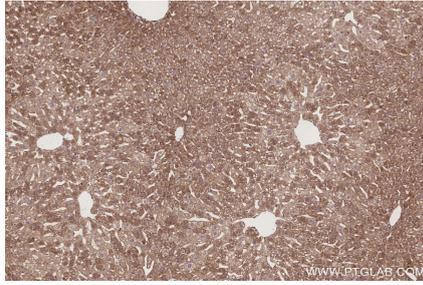
Synonyms

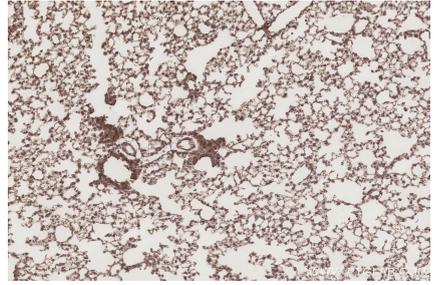Autophagy-related protein 2 homolog A, KIAA0404
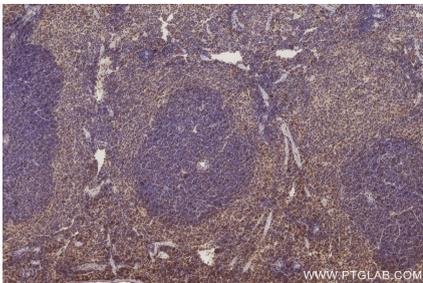
Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC3259 (ATG2A IHC Kit).

Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC3259 (ATG2A IHC Kit).

Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC3259 (ATG2A IHC Kit).

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using KHC3259 (ATG2A IHC Kit).