

IHC*easy* KGA/GAC Ready-To-Use IHC Kit

Catalog Number: **KHC2131**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
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.

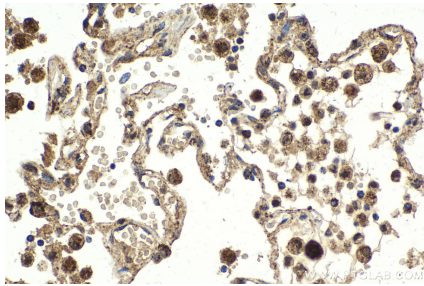
Background

GLS, also named as GLS1 and KIAA0838, belongs to the glutaminase family. It catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Glutaminase-, glutamate-, and taurine-immunoreactive neurons develop neurofibrillary tangles in Alzheimer's disease (PMID:1672808). The glutaminase band in AA/C1 cells is more intense than in HT29 cells, in accordance with measurements of glutaminase activity, and had the same molecular mass of approx. It also reveals a molecular weight of 83-84 kDa as a phosphate-dependent glutaminase. It has 3 isoforms named as KGA, GAM, GAC. Primary antibody in this kit can recognize both KGA and GAC.

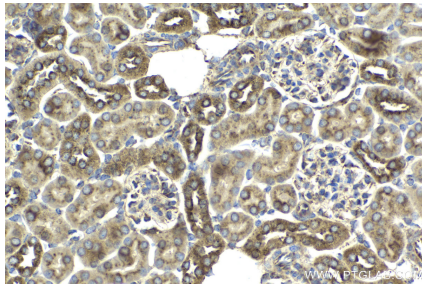
Synonyms

AAD20, GAC, GLS, GLS1, glutaminase, K glutaminase, KGA, KGA/GAC, KIAA0838, L glutamine amidohydrolase

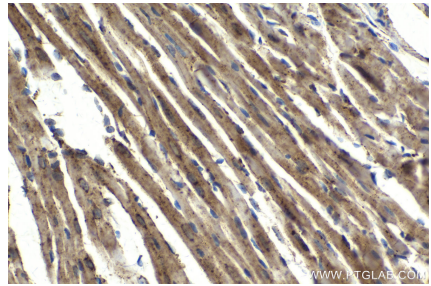
Selected Validation Data



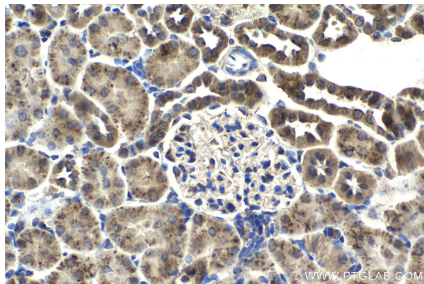
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using KHC2131 (KGA/GAC IHC Kit).



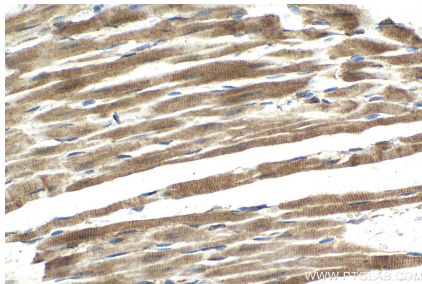
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2131 (KGA/GAC IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC2131 (KGA/GAC IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC2131 (KGA/GAC IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC2131 (KGA/GAC IHC Kit).