

IHCeasy[®] GlnRS Ready-To-Use IHC Kit

Catalog Number: **KHC3214**

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.

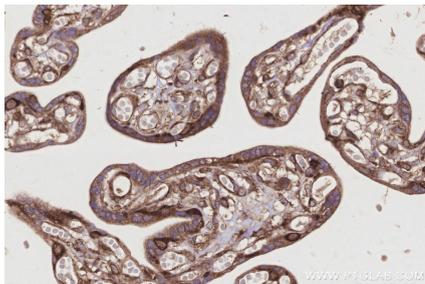
Background

GlnRS (glutamyl-tRNA synthetase) is a class I aminoacyl-tRNA synthetase. Aminoacyl-tRNA synthetases are enzymes that charge tRNAs with their cognate amino acids. The specificity of this reaction determines the fidelity of mRNA translation. At least 1 synthetase exists in the cytoplasm for each amino acid. GlnRS is present in eukaryotes but is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln).

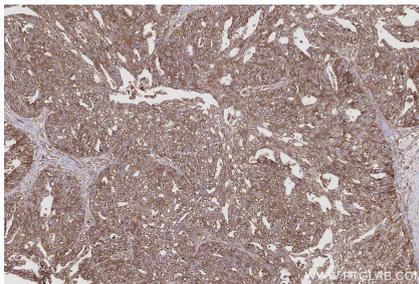
Synonyms

QARS, EC:6.1.1.18, Glutamine--tRNA ligase, Glutamyl-tRNA synthetase, QARS1

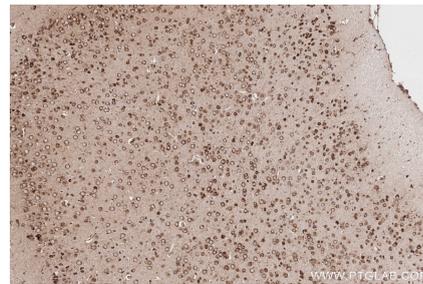
Selected Validation Data



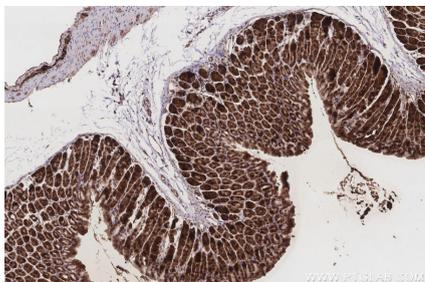
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3214 (GlnRS IHC Kit).



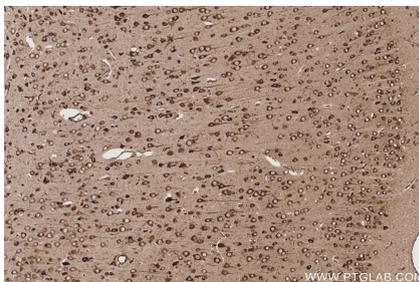
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using KHC3214 (GlnRS IHC Kit).



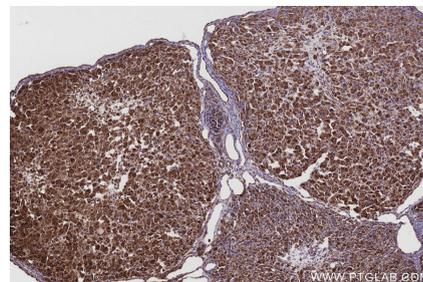
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC3214 (GlnRS IHC Kit).



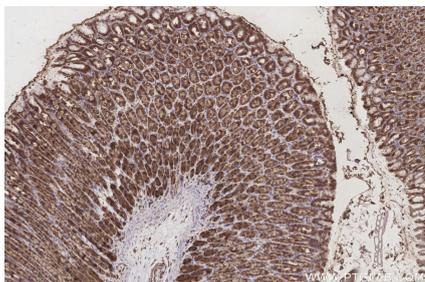
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC3214 (GlnRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3214 (GlnRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat ovary tissue slide using KHC3214 (GlnRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC3214 (GlnRS IHC Kit).