

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

Catalog Number: **KHC0869**

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.

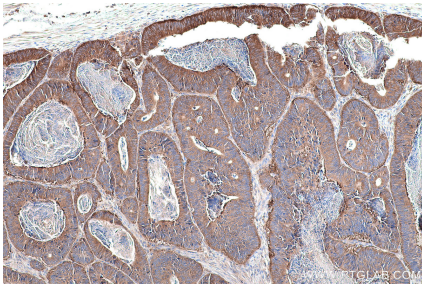
Background

EPRS is a bifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species. The N and C termini contain ERS and PRS catalytic domains, respectively, joined by a 300 amino acid linker containing three tandem WHEP-TRS (referred to as WHEP) domains. EPRS has a special role in GAIT-mediated translational control, as it is solely responsible for recognition and interaction with GAIT elements in target mRNAs.

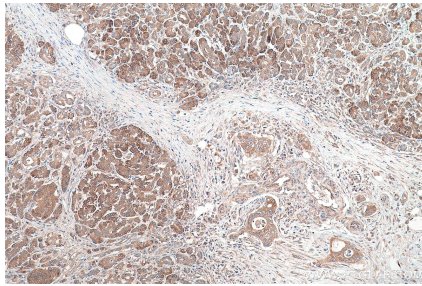
Synonyms

DKFZp313B047, EARS, EPRS, GLNS, GLUPRORS, GluRS Prolyl tRNA synthetase, Glutamate tRNA ligase, PARS, PIG32, Proline tRNA ligase, QARS, QPRS

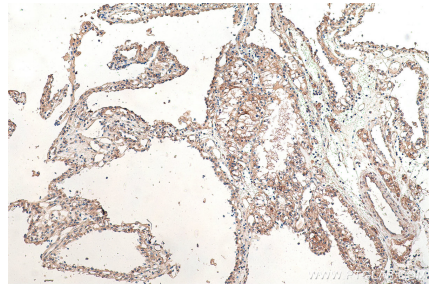
Selected Validation Data



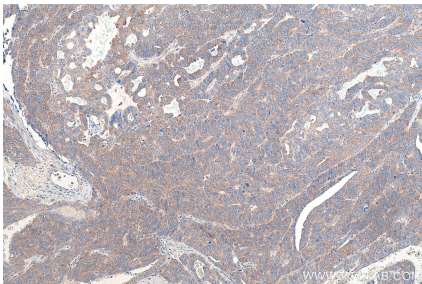
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0869 (EPRS IHC Kit).



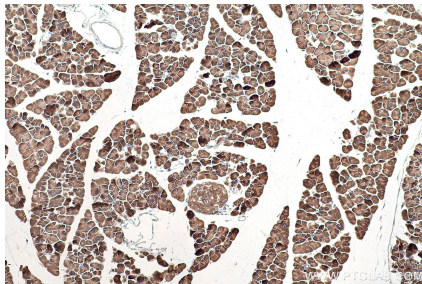
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0869 (EPRS IHC Kit).



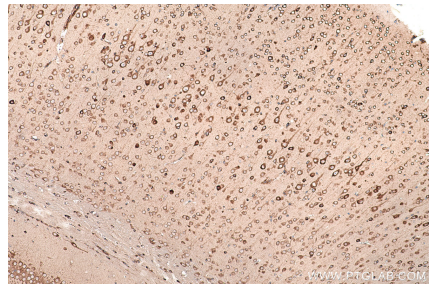
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using KHC0869 (EPRS IHC Kit).



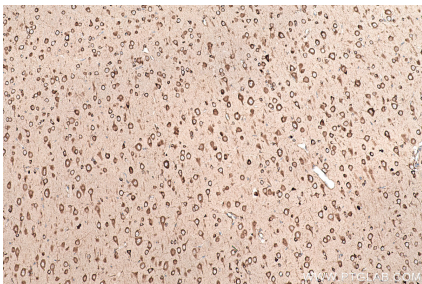
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0869 (EPRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using KHC0869 (EPRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0869 (EPRS IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0869 (EPRS IHC Kit).