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For Research Use Only

IHC*easy*® KARS Ready-To-Use IHC Kit

Catalog Number: KHC3255

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

KARS (lysyl-tRNA synthetase) is a gene that encodes an enzyme critical for protein synthesis, specifically responsible for attaching the amino acid lysine to its corresponding transfer RNA (tRNA) in both the cytoplasm and mitochondria. This enzyme plays a crucial role in the process of aminoacylation, which is essential for accurate protein translation from mRNA sequences. Mutations in the KARS gene have been associated with a variety of neurological and systemic disorders, reflecting the enzyme's importance in cellular function.

Synonyms

EC:2.7.7.-, KARS1, KIAA0070, Lysine--tRNA ligase, Lysyl-tRNA synthetase

For technical support and original validation data for this product please contact:
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Selected Validation Data