

# IHCeasy<sup>®</sup> GRINA Ready-To-Use IHC Kit

Catalog Number: **KHC3279**

## 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.

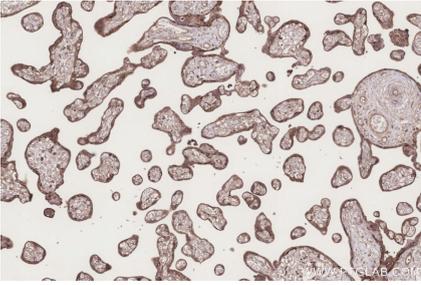
## Background

Glutamate Receptor Ionotropic NMDA-Associated Protein 1 (GRINA, also known as TMBIM3) is a transmembrane protein involved in calcium homeostasis and cell survival. It plays a crucial role in regulating intracellular calcium levels, which are essential for processes such as cell survival, neurotransmitter release, and apoptosis. GRINA also involves vesicle transport and sorting, particularly in secretory cells like neurons and mammary glands. Additionally, GRINA has been implicated in regulating aerobic glycolysis and tumor progression in gastric cancer.

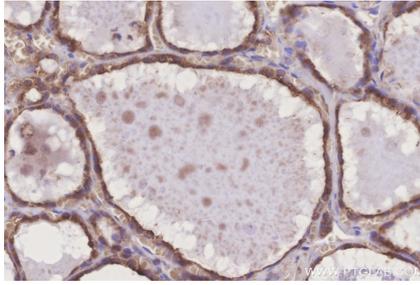
## Synonyms

Glutamate [NMDA] receptor-associated protein 1, HNRGW, LFG1, Protein lifeguard 1, Putative MAPK-activating protein PMO2

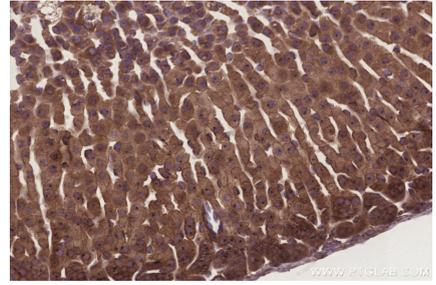
## Selected Validation Data



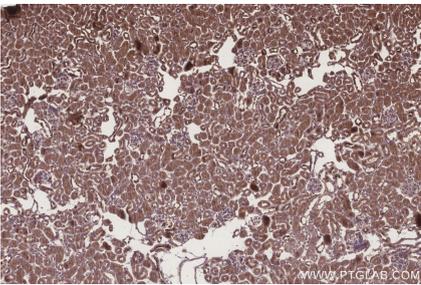
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3279 (GRINA IHC Kit).



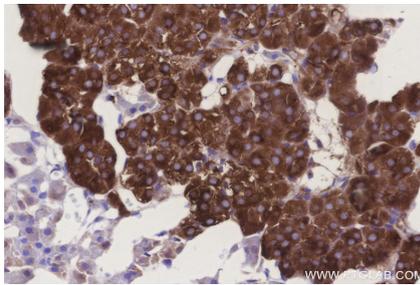
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC3279 (GRINA IHC Kit).



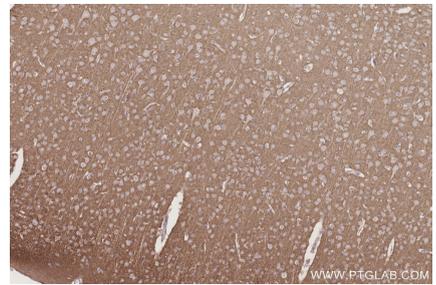
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC3279 (GRINA IHC Kit).



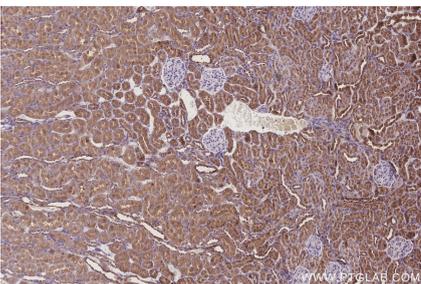
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC3279 (GRINA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC3279 (GRINA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3279 (GRINA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3279 (GRINA IHC Kit).