

# IHC*easy* GNAI3 Ready-To-Use IHC Kit

Catalog Number: **KHC2171**

## 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.

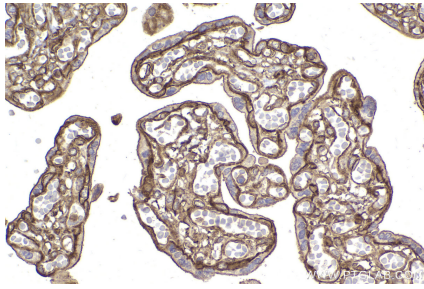
## Background

GNAI3 is a member of the Gi group proteins, which belong to the G $\alpha$  protein family. GNAI3 is involved in several critical biological processes and regulates many cellular activities, including proliferation, differentiation, apoptosis, and migration. For example, GNAI3 can regulate a class of K<sup>+</sup> channels in response to hormone and neurotransmitter signals. In addition to its function as a downstream signal pathway switch for receptors on the plasma membrane, GNAI3 has also been shown to localize to the centrosome and affect cytokinesis. These indicate that GNAI3 has important receptor-independent functions.

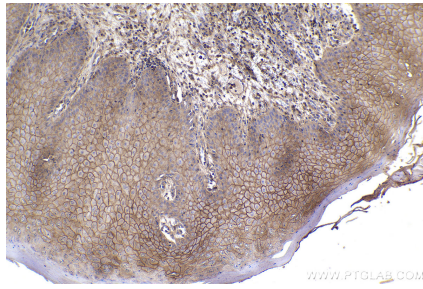
## Synonyms

Guanine nucleotide-binding protein G(i) subunit alpha-3, G(i) alpha-3, 87U6

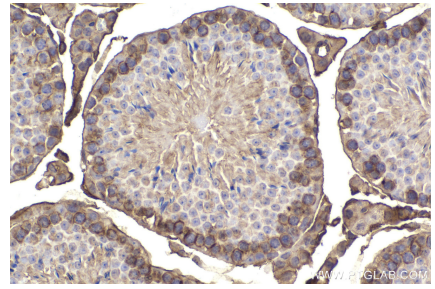
## Selected Validation Data



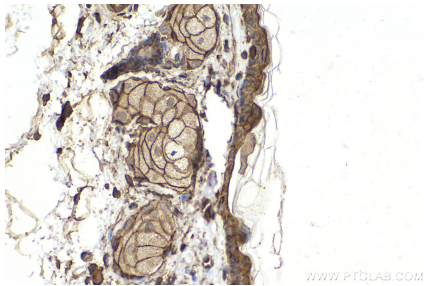
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2171 (GNAI3 IHC Kit).



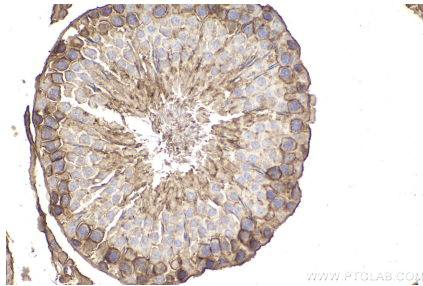
Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using KHC2171 (GNAI3 IHC Kit).



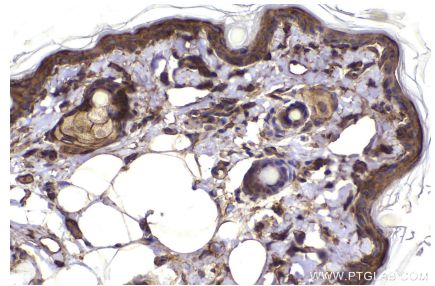
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC2171 (GNAI3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using KHC2171 (GNAI3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC2171 (GNAI3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using KHC2171 (GNAI3 IHC Kit).