

IHCeasy[®] STC2 Ready-To-Use IHC Kit

Catalog Number: **KHC1346**

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.

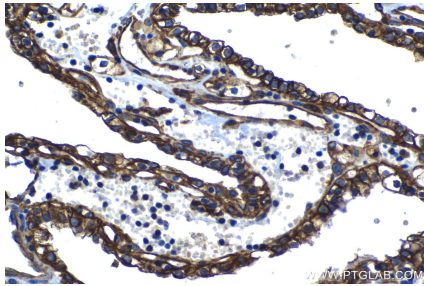
Background

Stanniocalcin (STC) is a family of secreted glycoprotein hormones that originally discovered in the corpuscles of Stannius, an endocrine gland of fish. STC1 and STC2, two homologues of STC family, are reported to involve in calcium and phosphate homeostasis. It is expressed in a wide variety of tissues such as kidney, spleen, heart, and pancreas. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. STC2 overexpression could promote tumor cell proliferation, invasion and metastasis in prostate cancer, ovarian cancer or neuroblastoma. STC2 is also vital for cytoprotective properties when exposed to ER stress and hypoxia.

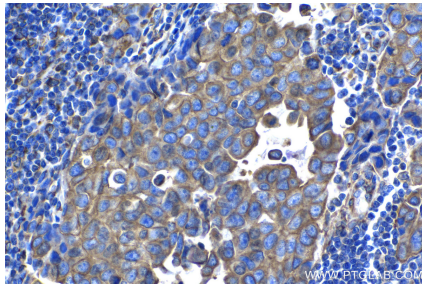
Synonyms

stanniocalcin 2, Stanniocalcin related protein, STC 2, STC related protein, STC2, STCRP

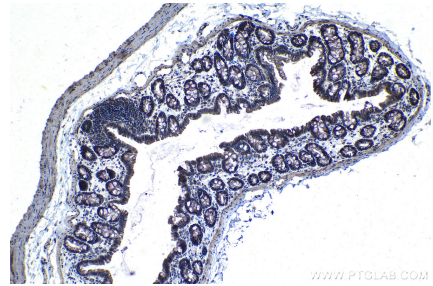
Selected Validation Data



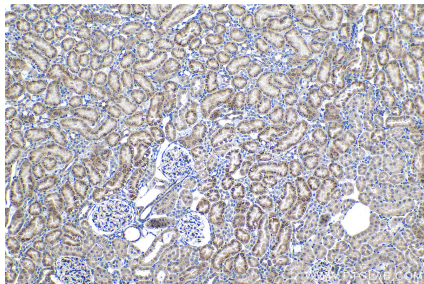
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using KHC1346 (STC2 IHC Kit).



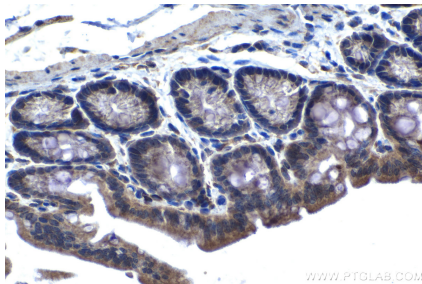
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using KHC1346 (STC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC1346 (STC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC1346 (STC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC1346 (STC2 IHC Kit).