

IHC*easy* STMN1 Ready-To-Use IHC Kit

Catalog Number: **KHC0841**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
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.

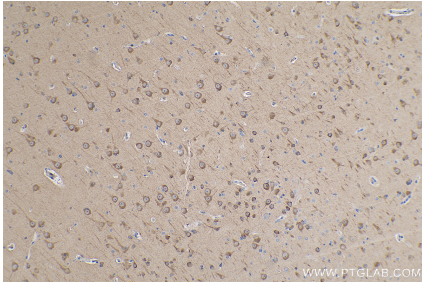
Background

Stathmin 1 (STMN1) normally regulates microtubule dynamics either by sequestering free tubulin heterodimers or by promoting microtubule catastrophe. STMN1 is highly expressed in fetal and adult brain, spinal cord, and cerebellum. Many different phosphorylated forms are observed depending on specific combinations among the sites which can be phosphorylated. Phosphorylation of stathmin is involved in response to NGF, neuron polarization and microtubule polymerization inhibition activity. Increased expression of STMN1 has been observed in a variety of human malignancies, such as colorectal primary tumors and metastatic tissues, but its association with melanoma is so far not well known.

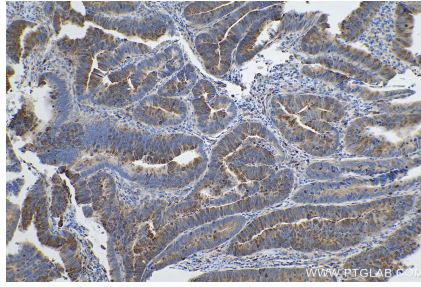
Synonyms

C1orf215, Lag, LAP18, Metablastin, Oncoprotein 18, OP18, Phosphoprotein p19, PP17, PP19, PR22, Prosolin, Protein Pr22, SMN, Stathmin, Stathmin 1, stathmin 1/oncoprotein 18, Stathmin1, STMN1

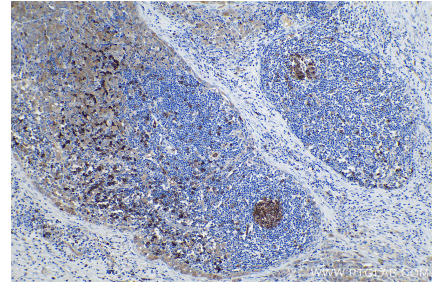
Selected Validation Data



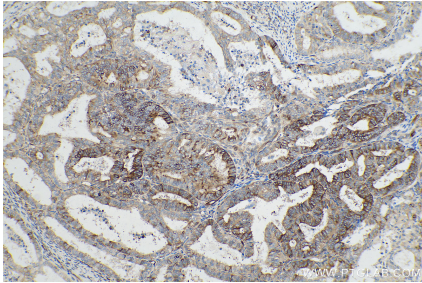
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using KHC0841 (Stathmin 1 IHC Kit).



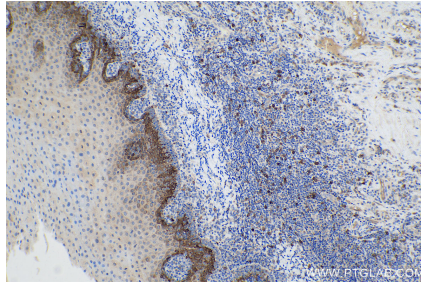
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0841 (Stathmin 1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using KHC0841 (Stathmin 1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0841 (Stathmin 1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using KHC0841 (Stathmin 1 IHC Kit).