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For Research Use Only

IHC*easy* SIPA1 Ready-To-Use IHC Kit

Catalog Number: KHC2792

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

SIPA1 (Signal-induced proliferation-associated protein 1) is also named as SPA1, p130 SPA-1 and GTPase-activating protein Spa-1. SIPA1, a GTPase activating protein, was discovered in proliferating lymphocytes as mitogen-induced nuclear protein. SIPA1 promotes catalyzation of hydrolyze Rap1GTP/GDP and is known to be a negative regulator of Ras-related protein, which transduces the signals for various cellular functions, including development, cellular proliferation, and cellular adhesion. Transcription of fibronectin 1, which is crucial for cell junction and migration of triple-negative breast cancer (TNBC) cells, was regulated by SIPA1 in a DBR-dependent manner. SIPA1 was highly expressed in metastatic TNBC. SIPA1 served as a TF, promoting TNBC migration, invasion, and metastasis.

Synonyms

GTPase-activating protein Spa-1, p130 SPA 1, p130 SPA-1, Signal-induced proliferation-associated protein 1, Sipa 1

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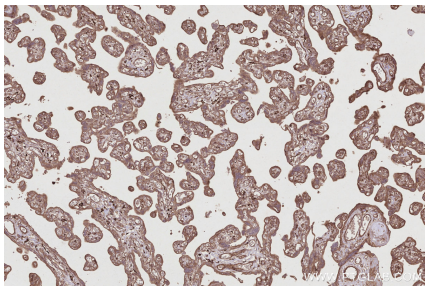
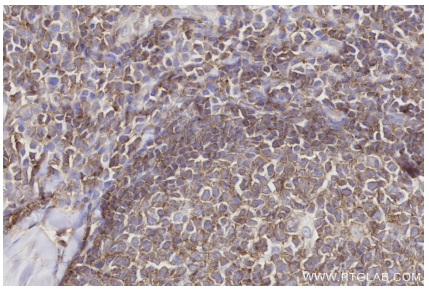
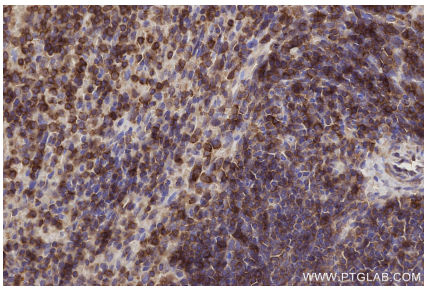
Selected Validation Data



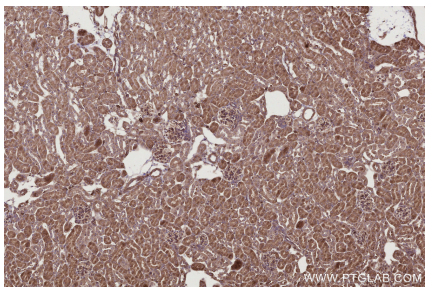
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2792 (SIPA1 IHC Kit).



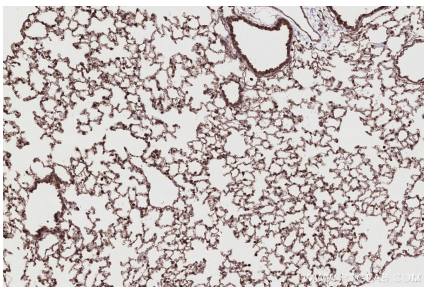
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using KHC2792 (SIPA1 IHC Kit).



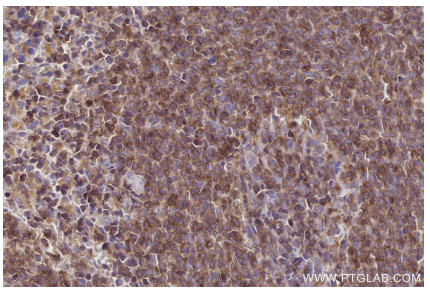
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using KHC2792 (SIPA1 IHC Kit).



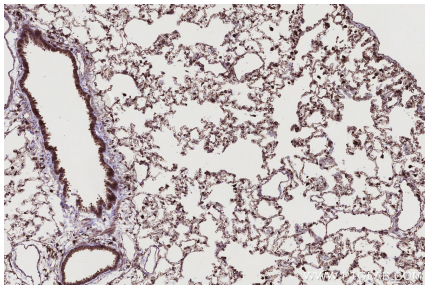
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2792 (SIPA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2792 (SIPA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using KHC2792 (SIPA1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC2792 (SIPA1 IHC Kit).