Rabbit Anti-STAB1/Stabilin1 Polyclonal: RC0138, RC0138RTU7

Intended Use: For Research Use Only

Description: STAB1 or Stabilin-1 is a large transmembrane receptor protein which may function in angiogenesis, lymphocyte homing, cell adhesion, or receptor scavenging. The protein contains 7 fasciclin, 16 epidermal growth factor (EGF)-like, and 2 laminin-type EGF-like domains as well as a C-type lectin-like hyaluronan-binding Link module. The protein is primarily expressed on sinusoidal endothelial cells of liver, spleen, and lymph node. The receptor has been shown to endocytose ligands such as low density lipoprotein, Gram-positive and Gram-negative bacteria, and advanced glycosylation end products. Supporting its possible role as a scavenger receptor, the protein rapidly cycles between the plasma membrane and early endosomes.

Specifications:

Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse, rat
Localization:	Membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, IF

Package:

Description	Catalog No.	Size
STAB1/Stabilin1 Concentrated	RC0138	1 ml
STAB1/Stabilin1 Prediluted	RC0138RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Spleen
Concentrated Dilution:	10-50
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	Overnight @ 4°C
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

References:

1. Not CD68 but stabilin-1 expression is associated with the risk of recurrence in patients with oral cavity squamous cell carcinoma. Kwon M et al. Head Neck. Jul;41(7):2058-2064, 2019.
2. Cardiac CD68+ and stabilin-1+ macrophages in wound healing following myocardial infarction: From experiment to clinic. Ryabov V et al. Immunobiology. 2018.
3. A combinatorial αβ T cell receptor expressed by macrophages in the tumor microenvironment. Fuchs T et al. Immunobiology. 2017.
4. Tumor-associated macrophages in human breast cancer parenchyma negatively correlate with lymphatic metastasis after neoadjuvant chemotherapy. Mitrofanova I et al. Immunobiology. 2017.

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