

**Rabbit Anti-STAB2/Stabilin2 Polyclonal: RC0139, RC0139RTU7**

**Intended Use:** For Research Use Only

**Description:** STAB2 or Stabilin-2 gene encodes a large, transmembrane receptor protein which may function in angiogenesis, lymphocyte homing, cell adhesion, or receptor scavenging. The protein is primarily expressed on sinusoidal endothelial cells of liver, spleen, and lymph node. The receptor has been shown to bind and endocytose ligands such as hyaluronan, low density lipoprotein, Gram-positive and Gram-negative bacteria, and advanced glycosylation end products. Supporting its possible role as a scavenger receptor, the protein has been shown to cycle between the plasma membrane and lysosomes. Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Hyaluronan receptor that binds to and mediates endocytosis of hyaluronic acid (HA). Acts also, in different species, as a primary systemic scavenger receptor for heparin (Hep), chondroitin sulfate (CS), dermatan sulfate (DS), nonglycosaminoglycan (GAG), acetylated low-density lipoprotein (AcLDL), pro-collagen propeptides and advanced glycation end products (AGE). May serve to maintain tissue integrity by supporting extracellular matrix turnover or it may contribute to maintaining fluidity of bodily liquids by resorption of hyaluronan. Counter receptor which plays an important role in lymphocyte recruitment in the hepatic vasculature.

**Specifications:**

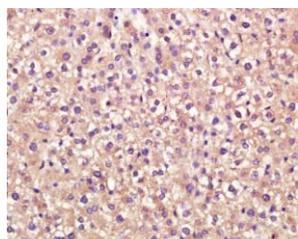
Clone: Polyclonal  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human, mouse, rat  
 Localization: Membrane, cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, IF  
 Package:

Description	Catalog No.	Size
STAB2/Stabilin2 Concentrated	RC0139	1 ml
STAB2/Stabilin2 Prediluted	RC0139RTU7	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.



FFPE mouse liver stained with anti-STAB2 using DAB

**References:**

1. Optimized protocol for the hepatic differentiation of induced pluripotent stem cells in a fluidic microenvironment. Danoy M, et al. Biotechnol Bioeng 116:1762-1776, 2019.
2. Liver sinusoidal endothelial cells are the principal site for elimination of unfractionated heparin from the circulation. Oie CII, et al. Am J Physiol Gastrointest Liver Physiol. Feb;294(2):G520-8, 2008.

Doc. 100-RC0139  
Rev. A