

Stabilin 2 Rabbit pAb

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Catalog # AP54832

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWQ8
Reactivity	Mouse
Predicted	Rat, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	276988
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Stabilin 2
Epitope Specificity	2201-2300/2551
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane. Cytoplasm. Only a small amount appears to be present at the cell surface.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a large, transmembrane receptor protein which may function in angiogenesis, lymphocyte homing, cell adhesion, or receptor scavenging. The protein contains 7 fasciclin, 15 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 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. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	55576
Other Names	Stabilin-2, FAS1 EGF-like and X-link domain-containing adhesion molecule 2, Fasciclin, EGF-like, laminin-type EGF-like and link domain-containing scavenger receptor 2, FEEL-2, Hyaluronan receptor for endocytosis, 190 kDa form stabilin-2, 190 kDa hyaluronan receptor for endocytosis, STAB2 {ECO:0000312 EMBL:CAC82105.1}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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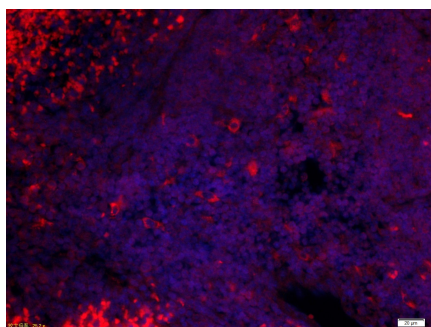
Protein Information

Name	STAB2 {ECO:0000312 EMBL:CAC82105.1}
Function	Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Hyaluronan receptor that binds to and mediates endocytosis of hyaluronic acid (HA). Also acts, 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. Binds to both Gram-positive and Gram-negative bacteria and may play a role in defense against bacterial infection. The proteolytically processed 190 kDa form also functions as an endocytosis receptor for heparin internalization as well as HA and CS.
Cellular Location	Cell membrane; Single-pass type I membrane protein Cytoplasm. Note=Only a small amount appears to be present at the cell surface (PubMed:17145755)
Tissue Location	Highly expressed in sinusoidal endothelial cells of liver, spleen and lymph nodes. Also expressed in non SEC-cells such as HMDMs (monocyte-derived macrophages), HAMs (T-cell leukemia virus type 1-associated myelopathy), and several macrophage cell line

Background

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Images



Tissue/cell: mouse spleen tissue;4%
 Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling
 bathing for 15min; Blocking buffer (normal goat
 serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-Stabilin 2 Polyclonal Antibody,
 Unconjugated(AP54832) 1:200, overnight at 4°C; The
 secondary antibody was Goat Anti-Rabbit IgG, Cy3
 conjugated(AP54832-Cy3)used at 1:200 dilution for 40
 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to
 stain the cell nuclei

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.