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stabilin1 Rabbit pAb

Catalog # AP96237

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NY15
Other Accession	Q9NY15
Predicted	Rat, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	275482
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human stabilin1
Epitope Specificity	1201-1400/2570
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	Membrane; Single-pass type I membrane protein.
SIMILARITY	Contains 16 EGF-like domains. Contains 7 FAS1 domains. Contains 2 laminin EGF-like domains. Contains 1 Link domain.
SUBUNIT	Interacts with CHID1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23166
Other Names	CLEVER-1; FEEL-1; FEEL1; FELE-1; FEX1; HRFT; SCARH2; STAB-1; STAB1_HUMAN; STAB1; Fasciclin, EGF-like, laminin-type EGF-like and link domain-containing scavenger receptor 1 (FEEL-1); MS-1 antigen; KIAA0246; stabilin 1; fasciclin egf-like, laminin-type egf-like, and link domain-containing scavenger receptor-1; common lymphatic endothelial and vascular endothelial receptor-1
Target/Specificity	High levels found in spleen, lymph node, liver and placenta. Also expressed in endothelial cells.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,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.

Protein Information

Name	STAB1
Synonyms	FEEL1, KIAA0246
Function	Acts as a scavenger receptor for acetylated low density lipoprotein. Binds to both Gram-positive and Gram-negative bacteria and may play a role in defense against bacterial infection. When inhibited in endothelial tube formation assays, there is a marked decrease in cell-cell interactions, suggesting a role in angiogenesis. Involved in the delivery of newly synthesized CHID1/SI-CLP from the biosynthetic compartment to the endosomal/lysosomal system.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	High levels found in spleen, lymph node, liver and placenta. Also expressed in endothelial cells

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