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SC11A Rabbit pAb

Catalog # AP98475

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P67812
Other Accession	P67812
Reactivity	Human
Predicted	Rat, Orangutan, Mouse, Rabbit, Zebrafish, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20625
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SC11A
Epitope Specificity	1-100/179
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the peptidase S26B family.
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 member of the peptidase S26B family. The encoded protein is an 18kDa subunit of the signal peptidase complex and has been linked to cell migration and invasion, gastric cancer and lymph node metastasis. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, Dec 2012]

Additional Information

Gene ID	23478
Other Names	1810012E07Rik; SEC11L1; SPC18; SPCS4A; sid2895; 18kDa; Sid2895p; SC11A_HUMAN; SEC11A; Endopeptidase SP18; Microsomal signal peptidase 18 kDa subunit (SPase 18 kDa subunit); SEC11 homolog A; SEC11-like protein 1; 3.4.21.89; SC11A_MOUSE; Sid 2895; SC11A_RAT; SEC11 homolog A, signal peptidase complex subunit; SEC11-like 1 (S. cerevisiae); SEC11 homolog A (S. cerevisiae); signal peptidase complex 18
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.

Protein Information

Name	SEC11A
Synonyms	SEC11L1, SPC18, SPCS4A
Function	Catalytic component of the signal peptidase complex (SPC) which catalyzes the cleavage of N-terminal signal sequences from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum (PubMed:34388369). Specifically cleaves N- terminal signal peptides that contain a hydrophobic alpha-helix (h- region) shorter than 18-20 amino acids (PubMed:34388369).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P67811}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P67811}

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