SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-SEC23B antibody

SL19614R

Product Name:	SEC23B
Chinese Name:	TransporterSEC23B抗体
Alias:	CDA II; CDAII; CDAN2; HEMPAS; Protein transport protein Sec23B; RP11-379J5.1; SC23B_HUMAN; Sec23 homolog B (S. cerevisiae); SEC23 related protein B; SEC23-like protein B; SEC23-related protein B; Sec23b; Transport protein SEC23B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	86kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SEC23B:501-600/767
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a member of the SEC23 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec23p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The function of this gene product has been implicated in cargo selection and concentration. Multiple alternatively spliced transcript

variants have been identified in this gene. [provided by RefSeq, Feb 2010]

Function:
Component of the COPII coat, that covers ER-derived vesicles involved in transport from the endoplasmic reticulum to the Golgi apparatus. COPII acts in the cytoplasm to promote the transport of secretory, plasma membrane, and vacuolar proteins from the endoplasmic reticulum to the Golgi complex.

Subcellular Location:
Golgi apparatus membrane. Endoplasmic reticulum membrane. Endoplasmic reticulum-Golgi intermediate compartment membrane.

DISEASE:
Defects in SEC23B are the cause of congenital dyserythropoietic anemia type 2 (CDA2) [MIM:224100]. An autosomal recessive blood disorder characterized by morphological abnormalities of erythroblasts, ineffective erythropoiesis, normocytic anemia, iron overload, jaundice, and variable splenomegaly. Ultrastructural features include bi- or multinucleated erythroblasts in bone marrow, karyorrhexis, and the presence of Gaucher-like bone marrow histiocytes. The main biochemical feature of the disease is defective glycosylation of some red blood cells membrane proteins.

Similarity:
Belongs to the SEC23/SEC24 family. SEC23 subfamily.

SWISS:
Q15437

Gene ID:
10483

Database links:

Entrez Gene: 10483 Human

Entrez Gene: 27054 Mouse

Entrez Gene: 362226 Rat

Omim: 610512 Human

SwissProt: Q15437 Human

SwissProt: Q9D662 Mouse

Unigene: 369373 Human

Unigene: 248492 Mouse

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.