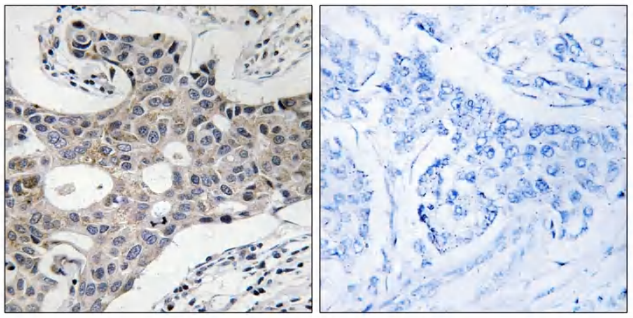
Sec16A Polyclonal Antibody

Catalog No	YP-Ab-02006
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	SEC16A
Protein Name	Protein transport protein Sec16A
Immunogen	The antiserum was produced against synthesized peptide derived from human SEC16A. AA range:1013-1062
Specificity	Sec16A Polyclonal Antibody detects endogenous levels of Sec16A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SEC16A; KIAA0310; SEC16; SEC16L; Protein transport protein Sec16A; SEC16 homolog A
Observed Band	
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Golgi apparatus membrane ; Peripheral membrane protein . Cytoplasm, perinuclear region . Cytoplasm, cytosol . Microsome membrane . SAR1A activity is required to maintain SEC16A localization at discrete locations on the ER membrane perhaps by preventing its dissociation (PubMed:17192411). Localizes to endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER). MIA3 and LRRK2 are required for its proper localization to ERES (PubMed:25201882, PubMed:28442536, PubMed:19638414, PubMed:17428803, PubMed:22355596). Recruited to microsomal membrane in SAR1-dependent manner (PubMed:17428803). .
Tissue Specificity	Ubiquitous. Expressed at higher levels in the pancreas.
Function	function:Defines endoplasmic reticulum exit sites (ERES) and is required for secretory cargo trafic from the endoplasmic reticulum to the Golgi apparatus. SAR1A-GTP-dependent assembly of SEC16A on the ER membrane forms an organized scaffold defining an ERES. Required for normal transitional endoplasmic reticulum (tER) organization.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SEC16

	family.,subcellular location:SAR1A activity is required to maintain SEC16A localization at discrete locations on the ER membrane perhaps by preventing its dissociation.,subunit:SEC16A and SEC16B are each present in multiple copies in a heteromeric complex. Interacts with SEC23A.,tissue specificity:Ubiquitous. Expressed at higher levels in the pancreas.,
Background	This gene encodes a protein that forms part of the Sec16 complex. This protein has a role in protein transport from the endoplasmic reticulum (ER) to the Golgi and mediates COPII vesicle formation at the transitional ER. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Feb 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SEC16A Antibody. The picture on the right is blocked with the synthesized peptide.