

# Immunotag™ SEC22B Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5680
Product Description	Immunotag™ SEC22B Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SEC22B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the Internal region of human SEC22B
Specificity	SEC22B Polyclonal Antibody detects endogenous levels of SEC22B protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SEC22B
Accession No.	O75396 O08547 Q4KM74
Alternate Names	SEC22B; SEC22L1; Vesicle-trafficking protein SEC22b; ER-Golgi SNARE of 24 kDa; ERS-24; ERS24; SEC22 vesicle-trafficking protein homolog B; SEC22 vesicle-trafficking protein-like 1

## Antibody Specification

Description	SEC22 homolog B, vesicle trafficking protein (gene/pseudogene)(SEC22B) Homo sapiens The protein encoded by this gene is a member of the SEC22 family of vesicle trafficking proteins. It seems to complex with SNARE and it is thought to play a role in the ER-Golgi protein trafficking. This protein has strong similarity to Mus musculus and Cricetulus griseus proteins.[provided by RefSeq, Sep 2009],
Cell Pathway/ Category	SNARE interactions in vesicular transport,
Protein Expression	Caudate nucleus,Platelet,Skin,Umbilical cor
Subcellular Localization	Golgi membrane,endoplasmic reticulum membrane,endoplasmic reticulum-Golgi intermediate compartment,ER to Golgi transport vesicle membrane,membrane,integral component of membrane,transport vesicle,SNARE complex,endoplasmic
Protein Function	function:SNARE involved in targeting and fusion of ER-derived transport vesicles with the Golgi complex as well as Golgi-derived retrograde transport vesicles with the ER.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the synaptobrevin family.,similarity:Contains 1 longin domain.,similarity:Contains 1 v-SNARE coiled-coil homology domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Component of two distinct SNARE complexes consisting of STX5, GOSR2/BOS1, BET1 and SEC22B or STX18, USE1L, BNIP1/SEC20L and SEC22B. YKT6 can probably replace SEC22B in either complex.,
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