antibodies - online.com







anti-SEC31A antibody (AA 473-502)



Image



Publications



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Quantity:	400 μL
Target:	SEC31A
Binding Specificity:	AA 473-502
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEC31A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SEC31A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 473-502 amino acids from the Central region of human SEC31A.
Clone:	RB41562
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SEC31A
Alternative Name:	SEC31A (SEC31A Products)
Background: The protein encoded by this gene is similar to yeast Sec31 protein. Yeast Sec31 protein is	

known to be a component of the COPII protein complex which is responsible for vesicle
budding from endoplasmic reticulum (ER). This protein was found to colocalize with SEC13,
one of the other components of COPII, in the subcellular structures corresponding to the
vesicle transport function. An immunodepletion experiment confirmed that this protein is
required for ER-Golgi transport. Alternative splicing results in multiple transcript variants
encoding different isoforms. [provided by RefSeq].

Molecular Weight:	133015
NCBI Accession:	NP_001070674, NP_001070675, NP_001070676, NP_001177978, NP_055748, NP_057295
UniProt:	094979

Pathways: ER-Nucleus Signaling

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Expiry Date:	6 months	

Publications

Product cited in:

Hyrskyluoto, Bruelle, Lundh, Do, Kivinen, Rappou, Reijonen, Waltimo, Petersén, Lindholm, Korhonen: "Ubiquitin-specific protease-14 reduces cellular aggregates and protects against mutant huntingtin-induced cell degeneration: involvement of the proteasome and ER stress-activated kinase IRE1?." in: **Human molecular genetics**, Vol. 23, Issue 22, pp. 5928-39, (2014) (PubMed).

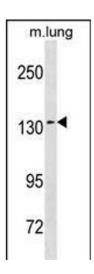
Davila, Froeling, Tan, Bonnard, Boland, Snippe, Hibberd, Seielstad: "New genetic associations detected in a host response study to hepatitis B vaccine." in: **Genes and immunity**, Vol. 11, Issue 3, pp. 232-8, (2010) (PubMed).

Chen, Qin, Li, Walters, Wilson, Mei, Wilson: "The proteasome-associated deubiquitinating enzyme Usp14 is essential for the maintenance of synaptic ubiquitin levels and the development of neuromuscular junctions." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 35, pp. 10909-19, (2009) (PubMed).

Nagai, Kadowaki, Maruyama, Takeda, Nishitoh, Ichijo: "USP14 inhibits ER-associated degradation via interaction with IRE1alpha." in: **Biochemical and biophysical research communications**, Vol. 379, Issue 4, pp. 995-1000, (2009) (PubMed).

Mines, Goodwin, Limbird, Cui, Fan: "Deubiquitination of CXCR4 by USP14 is critical for both CXCL12-induced CXCR4 degradation and chemotaxis but not ERK ativation." in: **The Journal of biological chemistry**, Vol. 284, Issue 9, pp. 5742-52, (2009) (PubMed).

Images



Western Blotting

Image 1. SEC31A Antibody (Center) (ABIN1881783 and ABIN2839018) western blot analysis in mouse lung tissue lysates (35 μ g/lane).This demonstrates the SEC31A antibody detected the SEC31A protein (arrow).