

## Mouse Monoclonal Antibody to SEC31A

<b>Catalogue Number</b>	sAP-1340
<b>Target Molecule</b>	<p><b>Name: SEC31A</b></p> <p><b>Aliases:</b> ABP125; ABP130; HSPC275; HSPC334; SEC31L1</p> <p><b>MW: 133kDa</b></p> <p><b>Entrez Gene ID: 22872</b></p>
<b>Description</b>	<p>The protein encoded by this gene shares similarity with the yeast Sec31 protein, and is a component of the outer layer of the coat protein complex II (COPII). The encoded protein is involved in vesicle budding from the endoplasmic reticulum (ER) and contains multiple WD repeats near the N-terminus and a proline-rich region in the C-terminal half. It associates with the protein encoded by the SEC13 homolog, nuclear pore and COPII coat complex component (SEC13), and is required for ER-Golgi transport. Monoubiquitylation of this protein by CUL3-KLHL12 was found to regulate the size of COPII coats to accommodate unusually shaped cargo. Alternative splicing results in multiple transcript variants encoding different isoforms.;</p>
<b>Immunogen</b>	Purified recombinant fragment of human SEC31A (AA: 429-571) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM5D12C6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: ; FCM:
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.J Biol Chem. 2015 Feb 20;290(8):4981-93. ; 2.Blood. 2011 Apr 14;117(15):4056-64. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**