

## Syncollin

Cat.No. 225 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 up to 1 : 5000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not recommended
Clone	87.1
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 22 to 134 from rat Syncollin (UniProt Id: O35775)
Epitop	Epitop: AA 22 to 134 from rat Syncollin (UniProt Id: O35775)
Reactivity	Reacts with: rat (O35775), mouse (Q8VCK7). Other species not tested yet.
Specificity	Specific for syncollin.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

The exocrine pancreas is specialized for the synthesis and secretion of digestive enzymes which are stored in zymogen granules. **Syncollin** is predominantly associated with the luminal membrane surface of these organelles. It forms oligomers and can bind to syntaxin 1 and syntaxin 2 in a calcium dependent manner. The exact physiological role has not yet been elucidated.

### Selected References SYSY Antibodies

The secretory granule protein syncollin localizes to HL-60 cells and neutrophils.  
Bach JP, Borta H, Ackermann W, Faust F, Borchers O, Schrader M  
The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society (2006) 54(8): 877-88. **WB; tested species: rat**

Interaction of syncollin with GP-2, the major membrane protein of pancreatic zymogen granules, and association with lipid microdomains.

Kalus I, Hodel A, Koch A, Kleene R, Edwardson JM, Schrader M  
The Biochemical journal (2002) 362(Pt 2): 433-42. **WB**

Loss of the zymogen granule protein syncollin affects pancreatic protein synthesis and transport but not secretion.  
Antonin W, Wagner M, Riedel D, Brose N, Jahn R  
Molecular and cellular biology (2002) 22(5): 1545-54. **WB; KO verified; tested species: mouse**

Analysis of the association of syncollin with the membrane of the pancreatic zymogen granule.  
An SJ, Hansen NJ, Hodel A, Jahn R, Edwardson JM  
The Journal of biological chemistry (2000) 275(15): 11306-11. **WB**

### Selected General References

The secretory granule protein syncollin localizes to HL-60 cells and neutrophils.  
Bach JP, Borta H, Ackermann W, Faust F, Borchers O, Schrader M  
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