

## RAB3A 抗原（重组蛋白）

中文名称： RAB3A 抗原（重组蛋白）

英文名称： RAB3A Antigen (Recombinant Protein)

别名： RAB3A, member RAS oncogene family

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to a region derived from 1-220 amino acids of human RAB3A

### 技术规格

<b>Full name:</b>	RAB3A, member RAS oncogene family
<b>Swissprot:</b>	P20336
<b>Gene Accession:</b>	BC011782
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	Small GTP-binding protein that plays a central role in regulated exocytosis and secretion. Controls the recruitment, tethering and docking of secretory vesicles to the plasma membrane. Upon stimulation, switches to its active GTP-bound form, cycles to vesicles and recruits effectors such as RIMS1, RIMS2, Rabphilin-3A/RPH3A, RPH3AL or SYTL4 to help the docking of vesicles onto the plasma membrane. Upon GTP hydrolysis by GTPase-activating protein, dissociates from the vesicle membrane allowing the exocytosis to proceed. Stimulates insulin secretion through interaction with RIMS2 or RPH3AL effectors in pancreatic beta cells. Regulates calcium-dependent lysosome exocytosis and plasma membrane repair (PMR) via the interaction with 2 effectors, SYTL4 and myosin-9/MYH9. Acts as a positive regula

tor of acrosome content secretion in sperm cells by interacting with RIMS1. Plays also a role in the regulation of dopamine release by interacting with synaptotagmin I/SYT.