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Datasheet for ABIN7165888

**anti-SGK196 antibody (AA 44-350) (Biotin)**

## Overview

Quantity:	100 µg
Target:	SGK196
Binding Specificity:	AA 44-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGK196 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Protein O-mannose kinase protein (44-350AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	SGK196
Alternative Name:	POMK ( <a href="#">SGK196 Products</a> )
Background:	Background: Protein O-mannose kinase that specifically mediates phosphorylation at the 6-position of an O-mannose of the trisaccharide (N-acetylgalactosamine (GalNAc)-beta-1,3-N-

## Target Details

acetylglucosamine (GlcNAc)-beta-1,4-mannose) to generate phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-1,3-N-acetylglucosamine-beta-1,4-(phosphate-6-)mannose). Phosphorylated O-mannosyl trisaccharide is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Only shows kinase activity when the GalNAc-beta-3-GlcNAc-beta-terminus is linked to the 4-position of O-mannose, suggesting that this disaccharide serves as the substrate recognition motif.

Aliases: FLJ23356 antibody, MDDGA12 antibody, POMK antibody, Probable inactive protein kinase-like protein SgK196 antibody, Protein kinase like protein SgK196 antibody, Protein kinase-like protein SgK196 antibody, Protein O-mannose kinase antibody, SG196\_HUMAN antibody, SGK196 antibody, Sugem kinase 196 antibody

UniProt: [Q9H5K3](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.