

**SGK196 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56656****Specification**

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**SGK196 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9H5K3</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40050

**SGK196 Polyclonal Antibody - Additional Information****Gene ID** 84197**Other Names**

Protein O-mannose kinase, POMK, 2.7.1.183, Protein kinase-like protein SgK196, Sugen kinase 196, POMK, SGK196

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SGK196 Polyclonal Antibody - Protein Information****Name** POMK**Synonyms** SGK196**Function**

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-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.

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type II membrane protein

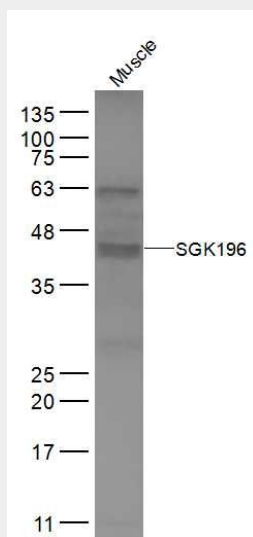
**Tissue Location**

Highest expression is observed in brain, skeletal muscle, kidney and heart in fetal and adult tissues

**SGK196 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SGK196 Polyclonal Antibody - Images****Sample:**

Muscle (Mouse) Lysate at 40 ug

Primary: Anti-SGK196 (bs-17315R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 40 kD