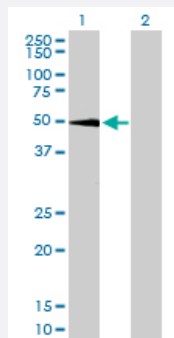


SGK1 monoclonal antibody (M01A), clone 4D7-G3

Catalog # H00006446-M01A

Size 200 uL

Applications

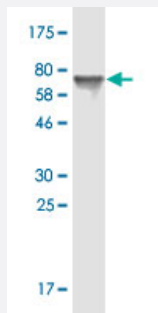


Western Blot (Transfected lysate)

Western Blot analysis of SGK expression in transfected 293T cell line by SGK monoclonal antibody (M01A), clone 4D7-G3.

Lane 1: SGK transfected lysate(48.9 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (73.04 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SGK1.

Immunogen

SGK1 (AAH01263.1, 1 a.a. ~ 431 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MTVKTEAAKGTLTYSRMGMVAILAFMKQRRMGLNDFIQKIANN SYACKHPEVQSILKISQPQEPE
LMNANPSPPPSPSQQLNLPSSNPHAKPSDFHFLKVIGKGSFGKVLLARHKAEEVFYAVKVLQKK
AILKKKEEKHIMSERNVLLKNVKHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLPRA
RFYAAEIASALGYLHSLNVYRDLKPENILDSQGHVLTDFGLCKENIEHNSTSTFCGTPEYLAPEV
LHKQPYDRTVDWWCLGAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQK
DRTKRLGAKDDFMEIKSHVFFSLINWDDLKINKITPPFNPVNSGPNDLRHFDPEFTEEPVPNSIGK
SPDSVLVTASVKEAAEAFLGFSYAPPTDSFL

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.04 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of SGK expression in transfected 293T cell line by SGK monoclonal antibody (M01A), clone 4D7-G3.

Lane 1: SGK transfected lysate(48.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SGK1

Entrez GeneID	6446
GeneBank Accession#	BC001263
Protein Accession#	AAH01263.1
Gene Name	SGK1
Gene Alias	SGK
Gene Description	serum/glucocorticoid regulated kinase 1

Omim ID [602958](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000017247|serine/threonine protein kinase SGK

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Kidney Failure](#)