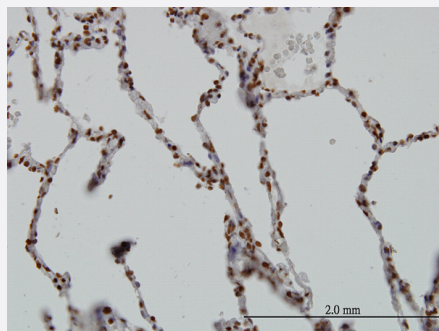


SGK monoclonal antibody (M02), clone 3E3

Catalog # H00006446-M02

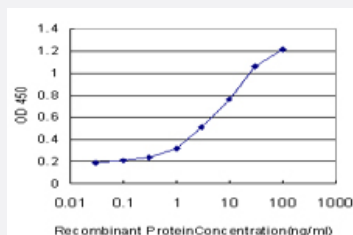
Size 100 ug

Applications



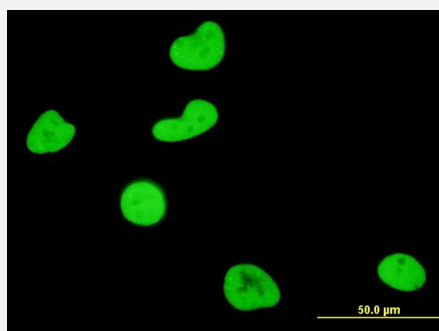
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SGK on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]



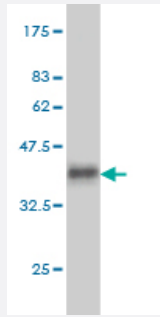
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SGK is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SGK1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SGK.
Immunogen	SGK (AAH01263, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTVKTEAAKGTLTYSRMGRGMVAILIAFMKQRRMGLNDFIQKIANNYSACKHPEVQSILKISQPQEPELMNANPSPPPSPSQINLGPSSN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (95)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SGK on formalin-fixed paraffin-embedded human lung. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SGK is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SGK1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — SGK1

Entrez GeneID [6446](#)

GeneBank Accession# [BC001263](#)

Protein Accession# [AAH01263](#)

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](#)