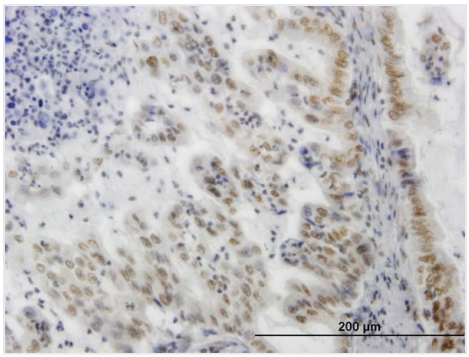
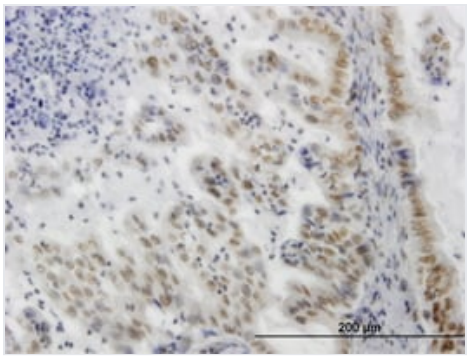
SGK Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

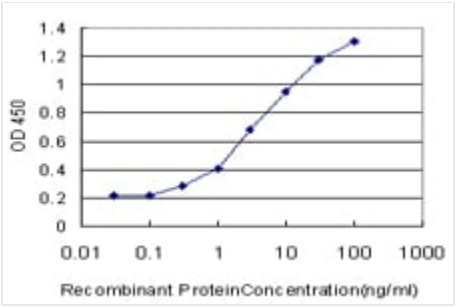
Product Name	SGK, Monoclonal Antibody
Full Product Name	SGK (Serum/Glucocorticoid Regulated Kinase 1, SGK) (Biotin)
Product Gene Name	anti-SGK antibody
Product Synonym Names	Serum/Glucocorticoid Regulated Kinase 1; SGK
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3C4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes SGK.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	SGK (AAH01263, 1aa-90aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MTVKTEAAKGTLTYSRMRGMVAILIAFMKQRRMGLNDFIQKIANNSYACKHPEVQSILKISQPQEPELMNANPSPPPSPSQQINLGPSSN
Conjugate	Biotin
Product Categories/Family for anti-SGK antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-SGK antibody	Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-SGK antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SGK antibody	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 Notes	Small volumes of anti-SGK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SGK purchase	MBS6170553 is an antibody targeting SGK. Also known as SGK (Serum/Glucocorticoid Regulated Kinase 1, SGK) (Biotin). Host: Mouse.



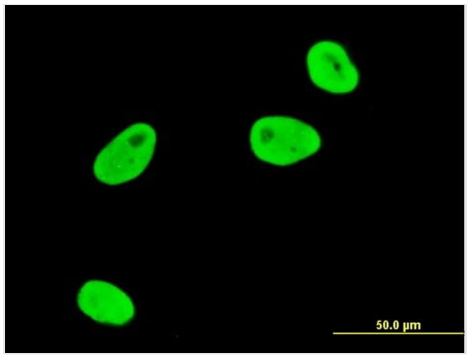
Testing Data of anti-SGK antibody
Immunoperoxidase of monoclonal antibody to SGK on formalin-fixed paraffin-embedded human colon cancer. [antibody concentration 0.7 ug/ml]



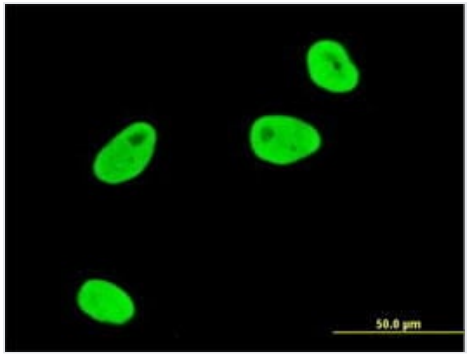
Immunohistochemistry (IHC) of anti-SGK antibody
Immunoperoxidase of monoclonal antibody to SGK on formalin-fixed paraffin-embedded human colon cancer. [antibody concentration 0.7 ug/ml]



Testing Data of anti-SGK antibody
Detection limit for recombinant GST tagged SGK is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence (IF) of anti-SGK antibody
Immunofluorescence of monoclonal antibody to SGK1 on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-SGK antibody
Immunofluorescence of monoclonal antibody to SGK1 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SGK. It may not necessarily be applicable to this product.

NCBI GI #	12654839
NCBI GeneID	6446
NCBI Accession #	AAH01263
UniProt Related Accession #	O00141
NCBI Official Full Name	Serum/glucocorticoid regulated kinase 1
NCBI Official Synonym Full Names	serum/glucocorticoid regulated kinase 1
NCBI Official Symbol	SGK1

NCBI Official Synonym Symbols	SGK
Protein Family	Serine/threonine-protein kinase
NCBI Protein Information	serine/threonine-protein kinase Sgk1
Research Articles on SGK	**1.** the effect and molecular mechanisms of SGK1 in renal tubular cells upon oxidative stress injury, is reported.
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