10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SGK2 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant SGK2.
Catalog # AT3856a

## Product Information

| | |
|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | Q9HBY8 |
| **Other Accession** | BC065511 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 2F6 |
| **Calculated MW** | 41175 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 10110 |
| **Other Names** | Serine/threonine-protein kinase Sgk2, Serum/glucocorticoid-regulated kinase 2, SGK2 |
| **Target/Specificity** | SGK2 (AAH65511, 293 a.a. ~ 367 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IF~~1:50~200 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | SGK2 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

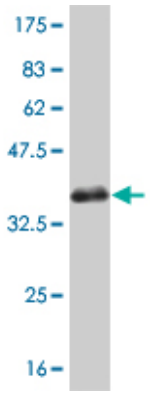
This gene encodes a serine/threonine protein kinase. Although this gene product is similar to serum- and glucocorticoid-induced protein kinase (SGK), this gene is not induced by serum or glucocorticoids. This gene is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK. Two alternate transcripts encoding two different isoforms have been described.

## References

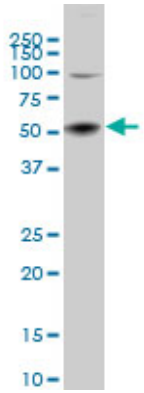
Sgk kinases and their role in epithelial transport. Loffing J, et al. Annu Rev Physiol, 2006. PMID 16460280.Transcriptional maps of 10 human chromosomes at 5-nucleotide resolution. Cheng J, et al.

Science, 2005 May 20. PMID 15790807.Regulation of cardiac shal-related potassium channel Kv 4.3 by serum- and glucocorticoid-inducible kinase isoforms in Xenopus oocytes. Baltaev R, et al. Pflugers Arch, 2005 Apr. PMID 15578212.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Regulation of KCNE1-dependent K(+) current by the serum and glucocorticoid-inducible kinase (SGK) isoforms. Embark HM, et al. Pflugers Arch, 2003 Feb. PMID 12634932.

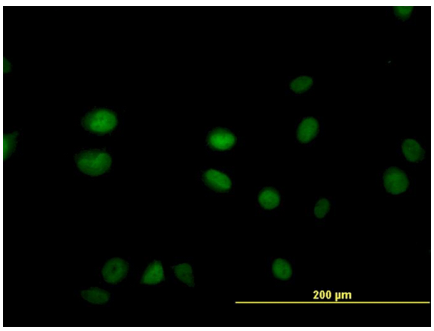
## Images



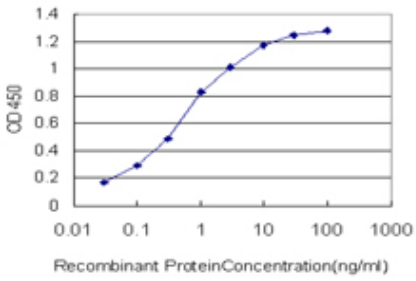

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.88 KDa) .




SGK2 monoclonal antibody (M07), clone 2F6 Western Blot analysis of SGK2 expression in IMR-32 ( (Cat # AT3856a )




Immunofluorescence of monoclonal antibody to SGK2 on HeLa cell. [antibody concentration 30 ug/ml]




Detection limit for recombinant GST tagged SGK2 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.